Berliner
Astronomisches Jahrbuch
für
1928

153. Jahrgang

Herausgegeben von dem

Astronomischen Rechen-Institut

Berlin
Ferd. Dümmlers Verlagsbuchhandlung
(Kommissionsverlag)
1926

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Berlin-Dahlem, Altenstein Str. 40

Vorwort

Vom Jahrgang 1916 an ist der fundamentale Meridian, auf den alle Angaben des Jahrbuchs bezogen sind, der Meridian von Greenwich.

Die Zeit ist vom Jahrgang 1925 an in Welt-Zeit, d. i. Bürgerliche Zeit Greenwich, ausgedrückt (siehe Erläuterungen).

Die Grundlagen des Berliner Astronomischen Jahrbuchs bilden:

Für die Sonne und die großen Planeten:

Die Tafeln von Newcomb und (für Jupiter und Saturn) von Hill, enthalten in:

Astronomical Papers of the American Ephemeris,
Vol. VI, Part I—IV: *Tables of the four inner planets,*
Vol. VII, Part I—IV: *Tables of Jupiter, Saturn, Uranus, Neptune.*

Als Sonnenhalbmesser in der mittleren Entfernung ist 16′ 1″.50 angenommen; dagegen liegt der Berechnung der Finsternisse der von Auwers in A. N., Bd. 128 gegebene Wert 15′ 59″.63 zugrunde.

Für den Mond:

Tables of the Motion of the Moon by Ernest W. Brown.

Der geozentrische Mondhalbmesser $r_☾$ ist aus der Äquatorial-Horizontalparallaxe $p_☾$ gerechnet nach der Formel

$$r_☾ = 0.272469\, p_☾ + 1''.50,$$

für die Finsternisse nach $\sin r_☾ = 0.272274 \sin p_☾$.

Als Neigung des Mondäquators gegen die Ekliptik ist nach F. Hayn (A. N. **199**, 263) angenommen: $J = 1°32'20''$.

Für die Fixsterne:

Neuer Fundamentalkatalog des Berliner Astronomischen Jahrbuchs nach den Grundlagen von A. Auwers, für die Epochen 1875 und 1900 bearbeitet von Dr. J. Peters (Veröffentlichung Nr. 33 des Königlichen Astronomischen Rechen-Instituts).

Die Sterngrößen sind der »Revised Harvard Photometry (Harvard Annals, vol. 50)«, die Sternspektra dem »Henry Draper Catalogue (Harvard Annals, vol. 91—99)« entnommen.

Als Werte der fundamentalen Reduktionsgrößen sind angenommen:

Die Präzessions-Größen nach S. Newcomb (vgl. H. Andoyer, Bull. Astr. **28**, 67)	
Die Nutations-Konstante	9″.21
Die Nutations-Größen nach S. Newcomb (Bull. Astr. **15**, 241)	
Die Aberrations-Konstante	20″.47
Die Sonnen-Parallaxe	8″.80
Die Abplattung der Erde . . .	1 : 297.0

Für die Satelliten:

Die Angaben über die 4 älteren Jupitertrabanten beruhen auf den neuen Tafeln von R. A. Sampson (*Tables of the four great Satellites of Jupiter.* London 1910), die Angaben über die 8 älteren Saturnsatelliten auf den von H. Struve ermittelten Werten (Näheres s. Erläuterungen).

In allen Ephemeriden der Sonne, der Planeten und der Fixsterne mit Ausnahme der Polsterne und der polnahen Sterne sind die kurzperiodischen, von der Mondlänge abhängigen Nutationsglieder weggelassen; doch bietet das Jahrbuch die Möglichkeit, auch diese weggelassenen Glieder zu berücksichtigen (s. Erläuterungen).

Vom vorliegenden Jahrgang an werden die scheinbaren Örter von drei nördlichen und einem südlichen polnahen Stern in rechtwinkligen Koordinaten gegeben; sonst hat der Inhalt des Jahrbuchs gegen das Vorjahr keine Änderungen erfahren.

Bezüglich der Zahlengrundlagen sei auf die im Berliner Jahrbuch für 1916 gegebene Darstellung der »Grundbegriffe der Sphärischen Astronomie« hingewiesen.

Ein Teil der Angaben wurde seitens des Nautical Almanac, Washington, und des Nautical Almanac Office, London, zur Verfügung gestellt. Die Ephemeride des Kraters Mösting A. ist von dem Institut Astronomique in Leningrad berechnet worden.

Die Schriftleitung des Astronomischen Jahrbuchs für 1928 lag in den Händen von Herrn Peters, an den verschiedenen Arbeiten beteiligten sich außerdem die Herren Clemens, Stichtenoth und Kohl.

Astronomisches Rechen-Institut.

Inhalt

Zeit- und Festrechnung 1928

Das Jahr 1928 entspricht dem
Jahr 6641 der Julianischen Periode und dem
Jahr 7436 — 7437 der Byzantinischen Ära

Gregorianischer Kalender

Goldene Zahl	10
Epakte	VIII
Sonnenzirkel	5
Römer-Zinszahlen	11
Sonntagsbuchstabe	A G

Septuagesima	5. Febr.
Aschermittwoch	22. Febr.
I. Quatember	29. Febr.
Ostersonntag	8. April
Himmelfahrt	17. Mai
Pfingstsonntag	27. Mai
II. Quatember	30. Mai
III. Quatember	19. Sept.
I. Advent	2. Dez.
IV. Quatember	19. Dez.

Kalender der Mohammedaner

1346 (Schaltjahr)

Schabân	1	1928	Jan.	24
Ramadân	1	»	Febr.	22
Schewwâl	1	»	März	23
Dsû 'l-kade	1	»	April	21
Dsû 'l-hedsche	1	»	Mai	21

1347 (Gemeinjahr)

Moharrem	1	1928	Juni	20
Safar	1	»	Juli	20
Rebî-el-awwel	1	»	Aug.	18
Rebî-el-accher	1	»	Sept.	17
Dschemâdi-el-awwel	1	»	Okt.	16
Dschemâdi-el-accher	1	»	Nov.	15
Redscheb	1	»	Dez.	14

Kalender der Juden

5688 (Regelmäßiges Gemeinjahr, 354 Tage)

Tebet	10	Fasten. Belagerung Jerusalems . . .	1928	Jan.	3
Schebat	1	. . . .	»		23
Adar	1	. . . .	»	Febr.	22
»	13	Fasten-Esther	»	März	5
»	14	Purim	»		6
»	15	Schuschan-Purim	»		7
Nisan	1	. . . .	»		22
»	15	*Passah-Anfang	»	April	5
»	16	*Zweites Fest	»		6
»	21	*Siebentes Fest	»		11
»	22	*Achtes Fest	»		12
Ijar	1	. . . .	»		21
»	18	Lag-B'omer	»	Mai	8
Sivan	1	. . . .	»		20
»	6	*Wochenfest	»		25
»	7	*Zweites Fest	»		26
Thamuz	1	. . . .	»	Juni	19
»	17	Fasten. Tempeleroberung	»	Juli	5
Ab	1	. . . .	»		18
»	9	Fasten. Tempelverbrennung . . .	»		26
Elul	1	. . . .	»	Aug.	17

5689 (Ueberzähliges Schaltjahr, 385 Tage)

Tischri	1	*Neujahrsfest	1928	Sept.	15
»	2	*Zweites Fest	»		16
»	3	Fasten-Gedaljah	»		17
»	10	*Versöhnungsfest	»		24
»	15	*Laubhüttenfest	»		29
»	16	*Zweites Fest	»		30
»	21	Palmenfest	»	Okt.	5
»	22	*Versammlung oder Laubhüttenende .	»		6
»	23	*Gesetzesfreude	»		7
Marcheschwan	1	. . . .	»		15
Kislev	1	. . . .	»	Nov.	14
»	25	Tempelweihe	»	Dez.	8
Tebet	1	. . . .	»		14
»	10	Fasten. Belagerung Jerusalems . . .	»		23

Die mit * bezeichneten Festtage werden streng gefeiert

Astronomische Zeichen und Abkürzungen

Bezeichnung
der
Wochentage

☉ Sonntag
☾ Montag
♂ Dienstag
☿ Mittwoch
♃ Donnerstag
♀ Freitag
♄ Sonnabend

Adspekten

☌ Konjunktion
□ Quadratur
☍ Opposition

Mondphasen

● Neumond
◐ Erstes Viertel
○ Vollmond
◑ Letztes Viertel

☊ Aufsteigender } Knoten
☋ Niedersteigender } Knoten

Zeichen

des Tierkreises und der Himmelskörper

♈ Widder . . .	0 Grad	
♉ Stier	30 »	☉ Sonne
♊ Zwillinge . .	60 »	☾ Mond
♋ Krebs	90 »	☿ Merkur
♌ Löwe	120 »	♀ Venus
♍ Jungfrau . .	150 »	♁ Erde
♎ Wage	180 »	♂ Mars
♏ Skorpion . .	210 »	♃ Jupiter
♐ Schütze . . .	240 »	♄ Saturn
♑ Steinbock . .	270 »	♅ Uranus
♒ Wassermann	300 »	♆ Neptun
♓ Fische . . .	330 »	

Sonne, Mond, Große Planeten

1928

Sonne 1928

Tag	Wochentag	0^h Welt-Zeit: Zeitgleichung Mittlere Zeit *minus* Wahre Zeit		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
1928									
Jan. 0	Sa	+ 2 29.63 m s	28.92 s	18 36 11.31 h m s	4 25.48 m s	−23 11 18.3 ° ′ ″	4 3.6 ′ ″	71.13 ″	16 17.83 ′ ″
1	St	2 58.55	28.62	18 40 36.79	4 25.18	23 7 14.7	4 31.2	71.10	16 17.85
2	Mo	3 27.17	28.29	18 45 1.97	4 24.84	23 2 43.5	4 58.9	71.06	16 17.87
3	Di	3 55.46	27.93	18 49 26.81	4 24.49	22 57 44.6	5 26.4	71.01	16 17.88
4	Mi	4 23.39	27.54	18 53 51.30	4 24.10	22 52 18.2	5 53.6	70.97	16 17.88
5	Do	4 50.93	27.13	18 58 15.40	4 23.69	22 46 24.6	6 20.7	70.92	16 17.88
6	Fr	+ 5 18.06	26.70	19 2 39.09	4 23.26	−22 40 3.9	6 47.6	70.86	16 17.87
7	Sa	5 44.76	26.24	19 7 2.35	4 22.80	22 33 16.3	7 14.3	70.80	16 17.86
8	St	6 11.00	25.77	19 11 25.15	4 22.32	22 26 2.0	7 40.8	70.74	16 17.84
9	Mo	6 36.77	25.26	19 15 47.47	4 21.82	22 18 21.2	8 7.1	70.67	16 17.81
10	Di	7 2.03	24.74	19 20 9.29	4 21.30	22 10 14.1	8 33.1	70.60	16 17.78
11	Mi	7 26.77	24.20	19 24 30.59	4 20.76	22 1 41.0	8 58.9	70.52	16 17.74
12	Do	+ 7 50.97	23.63	19 28 51.35	4 20.19	−21 52 42.1	9 24.5	70.45	16 17.69
13	Fr	8 14.60	23.05	19 33 11.54	4 19.60	21 43 17.6	9 49.7	70.37	16 17.64
14	Sa	8 37.65	22.44	19 37 31.14	4 19.00	21 33 27.9	10 14.8	70.28	16 17.58
15	St	9 0.09	21.81	19 41 50.14	4 18.37	21 23 13.1	10 39.5	70.19	16 17.52
16	Mo	9 21.90	21.16	19 46 8.51	4 17.72	21 12 33.6	11 3.9	70.10	16 17.46
17	Di	9 43.06	20.50	19 50 26.23	4 17.05	21 1 29.7	11 28.1	70.01	16 17.38
18	Mi	+10 3.56	19.81	19 54 43.28	4 16.37	−20 50 1.6	11 51.9	69.91	16 17.31
19	Do	10 23.37	19.11	19 58 59.65	4 15.66	20 38 9.7	12 15.5	69.82	16 17.23
20	Fr	10 42.48	18.38	20 3 15.31	4 14.94	20 25 54.2	12 38.6	69.72	16 17.14
21	Sa	11 0.86	17.64	20 7 30.25	4 14.21	20 13 15.6	13 1.4	69.62	16 17.05
22	St	11 18.50	16.89	20 11 44.46	4 13.45	20 0 14.2	13 23.8	69.52	16 16.96
23	Mo	11 35.39	16.12	20 15 57.91	4 12.67	19 46 50.4	13 45.9	69.41	16 16.87
24	Di	+11 51.51	15.34	20 20 10.58	4 11.89	−19 33 4.5	14 7.7	69.31	16 16.77
25	Mi	12 6.85	14.54	20 24 22.47	4 11.10	19 18 56.8	14 29.1	69.20	16 16.67
26	Do	12 21.39	13.72	20 28 33.57	4 10.28	19 4 27.7	14 50.0	69.09	16 16.56
27	Fr	12 35.11	12.91	20 32 43.85	4 9.46	18 49 37.7	15 10.5	68.98	16 16.45
28	Sa	12 48.02	12.07	20 36 53.31	4 8.63	18 34 27.2	15 30.7	68.86	16 16.34
29	St	13 0.09	11.24	20 41 1.94	4 7.80	18 18 56.5	15 50.5	68.75	16 16.22
30	Mo	+13 11.33	10.41	20 45 9.74	4 6.96	−18 3 6.0	16 9.8	68.64	16 16.10
31	Di	13 21.74	9.57	20 49 16.70	4 6.12	17 46 56.2	16 28.8	68.52	16 15.98
Febr. 1	Mi	13 31.31	8.72	20 53 22.82	4 5.28	17 30 27.4	16 47.3	68.41	16 15.85
2	Do	13 40.03	7.89	20 57 28.10	4 4.45	17 13 40.1	17 5.4	68.29	16 15.71
3	Fr	13 47.92	7.06	21 1 32.55	4 3.61	16 56 34.7	17 23.2	68.18	16 15.57
4	Sa	13 54.98	6.23	21 5 36.16	4 2.79	16 39 11.5	17 40.5	68.06	16 15.43
5	St	+14 1.21	5.42	21 9 38.95	4 1.97	−16 21 31.0	17 57.4	67.95	16 15.28
6	Mo	14 6.63	4.60	21 13 40.92	4 1.16	16 3 33.6	18 13.9	67.83	16 15.12
7	Di	14 11.23	3.80	21 17 42.08	4 0.37	15 45 19.7	18 30.2	67.72	16 14.96
8	Mi	14 15.03	3.02	21 21 42.45	3 59.57	15 26 49.5	18 45.9	67.60	16 14.79
9	Do	14 18.05	2.23	21 25 42.02	3 58.78	15 8 3.6	19 1.2	67.49	16 14.61
10	Fr	+14 20.28		21 29 40.80		−14 49 2.4		67.38	16 14.44

Tag	0h Welt-Zeit Julian. Zeit	Sternzeit	Mittleres Äquinoktium 1928.0 Länge	Diff.	Breite	log R	Diff.	Aufgang in {+50° Breite, 0h Länge}	Untergang
1928	2425	h m s	° ′ ″	′ ″	″			h m	h m
Jan. 0	245.5	6 33 41.68	278 19 16.4	61 9.4	−0.32	9.992 6857	96	7 59	16 7
1	246.5	6 37 38.24	279 20 25.8	61 9.0	−0.27	9.992 6761	72	7 59	16 8
2	247.5	6 41 34.80	280 21 34.8	61 8.7	−0.20	9.992 6689	48	7 59	16 9
3	248.5	6 45 31.36	281 22 43.5	61 8.6	−0.11	9.992 6641	21	7 59	16 10
4	249.5	6 49 27.92	282 23 52.1	61 8.3	+0.01	9.992 6620	−6	7 59	16 11
5	250.5	6 53 24.47	283 25 0.4	61 8.1	+0.14	9.992 6626	34	7 58	16 12
6	251.5	6 57 21.03	284 26 8.5	61 7.8	+0.28	9.992 6660	63	7 58	16 13
7	252.5	7 1 17.59	285 27 16.3	61 7.7	+0.41	9.992 6723	93	7 58	16 14
8	253.5	7 5 14.15	286 28 24.0	61 7.6	+0.52	9.992 6816	121	7 58	16 16
9	254.5	7 9 10.70	287 29 31.6	61 7.6	+0.61	9.992 6937	150	7 57	16 17
10	255.5	7 13 7.26	288 30 39.2	61 7.4	+0.68	9.992 7087	177	7 57	16 18
11	256.5	7 17 3.82	289 31 46.6	61 7.3	+0.72	9.992 7264	204	7 56	16 19
12	257.5	7 21 0.38	290 32 53.9	61 7.2	+0.73	9.992 7468	228	7 56	16 21
13	258.5	7 24 56.94	291 34 1.1	61 7.2	+0.71	9.992 7696	253	7 55	16 22
14	259.5	7 28 53.50	292 35 8.3	61 7.1	+0.67	9.992 7949	277	7 55	16 24
15	260.5	7 32 50.05	293 36 15.4	61 6.8	+0.60	9.992 8226	298	7 54	16 25
16	261.5	7 36 46.61	294 37 22.2	61 6.6	+0.52	9.992 8524	318	7 53	16 26
17	262.5	7 40 43.17	295 38 28.8	61 6.4	+0.41	9.992 8842	339	7 52	16 28
18	263.5	7 44 39.72	296 39 35.2	61 5.9	+0.29	9.992 9181	357	7 52	16 29
19	264.5	7 48 36.28	297 40 41.1	61 5.7	+0.15	9.992 9538	375	7 51	16 31
20	265.5	7 52 32.84	298 41 46.8	61 5.1	+0.01	9.992 9913	392	7 50	16 33
21	266.5	7 56 29.40	299 42 51.9	61 4.7	−0.12	9.993 0305	408	7 49	16 34
22	267.5	8 0 25.95	300 43 56.6	61 4.0	−0.24	9.993 0713	424	7 48	16 36
23	268.5	8 4 22.51	301 45 0.6	61 3.2	−0.35	9.993 1137	438	7 47	16 37
24	269.5	8 8 19.07	302 46 3.8	61 2.5	−0.44	9.993 1575	453	7 46	16 39
25	270.5	8 12 15.62	303 47 6.3	61 1.4	−0.50	9.993 2028	468	7 45	16 40
26	271.5	8 16 12.18	304 48 7.7	61 0.4	−0.53	9.993 2496	484	7 43	16 42
27	272.5	8 20 8.74	305 49 8.1	60 59.3	−0.52	9.993 2980	500	7 42	16 44
28	273.5	8 24 5.30	306 50 7.4	60 58.2	−0.48	9.993 3480	518	7 41	16 45
29	274.5	8 28 1.85	307 51 5.6	60 56.8	−0.41	9.993 3998	538	7 40	16 47
30	275.5	8 31 58.41	308 52 2.4	60 55.5	−0.31	9.993 4536	558	7 38	16 49
31	276.5	8 35 54.96	309 52 57.9	60 54.3	−0.21	9.993 5094	579	7 37	16 50
Febr. 1	277.5	8 39 51.52	310 53 52.2	60 53.0	−0.09	9.993 5673	602	7 36	16 52
2	278.5	8 43 48.08	311 54 45.2	60 51.5	+0.04	9.993 6275	625	7 34	16 54
3	279.5	8 47 44.63	312 55 36.7	60 50.4	+0.17	9.993 6900	649	7 33	16 56
4	280.5	8 51 41.19	313 56 27.1	60 49.1	+0.28	9.993 7549	674	7 32	16 57
5	281.5	8 55 37.74	314 57 16.2	60 47.9	+0.37	9.993 8223	699	7 30	16 59
6	282.5	8 59 34.30	315 58 4.1	60 46.6	+0.45	9.993 8922	724	7 28	17 1
7	283.5	9 3 30.86	316 58 50.7	60 45.6	+0.50	9.993 9646	748	7 27	17 2
8	284.5	9 7 27.41	317 59 36.3	60 44.4	+0.52	9.994 0394	771	7 25	17 4
9	285.5	9 11 23.97	319 0 20.7	60 43.3	+0.51	9.994 1165	793	7 24	17 6
10	286.5	9 15 20.52	320 1 4.0		+0.46	9.994 1958		7 22	17 8

Tag	Wochentag	0ʰ Welt-Zeit Zeitgleichung Mittlere Zeit *minus* Wahre Zeit		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
1928		m s	s	h m s	m s	° ′ ″	′ ″	s	′ ″
Febr. 10	Fr	+14 20.28	1.45	21 29 40.80	3 58.01	−14 49 2.4	19 16.2	67.38	16 14.44
11	Sa	14 21.73	0.69	21 33 38.81	3 57.24	14 29 46.2	19 30.7	67.27	16 14.25
12	St	14 22.42	0.07	21 37 36.05	3 56.49	14 10 15.5	19 44.9	67.16	16 14.07
13	Mo	14 22.35	0.81	21 41 32.54	3 55.74	13 50 30.6	19 58.7	67.05	16 13.88
14	Di	14 21.54	1.54	21 45 28.28	3 55.01	13 30 31.9	20 11.9	66.94	16 13.68
15	Mi	14 20.00	2.28	21 49 23.29	3 54.28	13 10 20.0	20 24.9	66.83	16 13.48
16	Do	+14 17.72	2.99	21 53 17.57	3 53.56	−12 49 55.1	20 37.4	66.73	16 13.28
17	Fr	14 14.73	3.69	21 57 11.13	3 52.86	12 29 17.7	20 49.5	66.62	16 13.08
18	Sa	14 11.04	4.39	22 1 3.99	3 52.17	12 8 28.2	21 1.2	66.52	16 12.87
19	St	14 6.65	5.07	22 4 56.16	3 51.49	11 47 27.0	21 12.4	66.42	16 12.66
20	Mo	14 1.58	5.75	22 8 47.65	3 50.80	11 26 14.6	21 23.2	66.32	16 12.45
21	Di	13 55.83	6.41	22 12 38.45	3 50.14	11 4 51.4	21 33.7	66.22	16 12.23
22	Mi	+13 49.42	7.06	22 16 28.59	3 49.49	−10 43 17.7	21 43.7	66.12	16 12.01
23	Do	13 42.36	7.71	22 20 18.08	3 48.85	10 21 34.0	21 53.1	66.03	16 11.80
24	Fr	13 34.65	8.35	22 24 6.93	3 48.21	9 59 40.9	22 2.2	65.94	16 11.58
25	Sa	13 26.30	8.96	22 27 55.14	3 47.59	9 37 38.7	22 10.9	65.85	16 11.36
26	St	13 17.34	9.57	22 31 42.73	3 46.99	9 15 27.8	22 19.2	65.77	16 11.14
27	Mo	13 7.77	10.16	22 35 29.72	3 46.40	8 53 8.6	22 26.9	65.68	16 10.91
28	Di	+12 57.61	10.73	22 39 16.12	3 45.82	− 8 30 41.7	22 34.4	65.60	16 10.68
29	Mi	12 46.88	11.28	22 43 1.94	3 45.27	8 8 7.3	22 41.3	65.52	16 10.45
März 1	Do	12 35.60	11.81	22 46 47.21	3 44.74	7 45 26.0	22 47.9	65.44	16 10.22
2	Fr	12 23.79	12.33	22 50 31.95	3 44.22	7 22 38.1	22 54.1	65.37	16 9.99
3	Sa	12 11.46	12.82	22 54 16.17	3 43.73	6 59 44.0	23 0.0	65.30	16 9.75
4	St	11 58.64	13.29	22 57 59.90	3 43.26	6 36 44.0	23 5.5	65.23	16 9.51
5	Mo	+11 45.35	13.74	23 1 43.16	3 42.82	− 6 13 38.5	23 10.5	65.16	16 9.26
6	Di	11 31.61	14.16	23 5 25.98	3 42.40	5 50 28.0	23 15.2	65.10	16 9.01
7	Mi	11 17.45	14.56	23 9 8.38	3 41.99	5 27 12.8	23 19.5	65.04	16 8.76
8	Do	11 2.89	14.94	23 12 50.37	3 41.61	5 3 53.3	23 23.5	64.98	16 8.50
9	Fr	10 47.95	15.30	23 16 31.98	3 41.26	4 40 29.8	23 27.2	64.93	16 8.24
10	Sa	10 32.65	15.63	23 20 13.24	3 40.93	4 17 2.6	23 30.5	64.87	16 7.98
11	St	+10 17.02	15.94	23 23 54.17	3 40.61	− 3 53 32.1	23 33.3	64.82	16 7.72
12	Mo	10 1.08	16.23	23 27 34.78	3 40.31	3 29 58.8	23 35.9	64.78	16 7.45
13	Di	9 44.85	16.50	23 31 15.09	3 40.05	3 6 22.9	23 38.1	64.74	16 7.18
14	Mi	9 28.35	16.75	23 34 55.14	3 39.81	2 42 44.8	23 39.9	64.70	16 6.91
15	Do	9 11.60	16.98	23 38 34.95	3 39.58	2 19 4.9	23 41.3	64.66	16 6.64
16	Fr	8 54.62	17.18	23 42 14.53	3 39.37	1 55 23.6	23 42.5	64.62	16 6.37
17	Sa	+ 8 37.44	17.37	23 45 53.90	3 39.18	− 1 31 41.1	23 43.2	64.59	16 6.09
18	St	8 20.07	17.54	23 49 33.08	3 39.02	1 7 57.9	23 43.5	64.56	16 5.82
19	Mo	8 2.53	17.69	23 53 12.10	3 38.86	0 44 14.4	23 43.5	64.53	16 5.54
20	Di	7 44.84	17.83	23 56 50.96	3 38.72	− 0 20 30.9	23 43.1	64.51	16 5.27
21	Mi	7 27.01	17.94	0 0 29.68	3 38.61	+ 0 3 12.2	23 42.3	64.49	16 4.99
22	Do	+ 7 9.07		0 4 8.29		+ 0 26 54.5		64.48	16 4.72

Tag	Julian. Zeit	Sternzeit	0h Welt-Zeit — Mittleres Äquinoktium 1928.0 — Länge		Breite	log R		Auf-gang in {+50° Breite, 0h Länge}	Unter-gang
1928	2425	h m s	° ′ ″	′ ″	″			h m	h m
Febr. 10	286.5	9 15 20.52	320 1 4.0	60 42.2	+0.46	9.994 1958	814	7 22	17 8
11	287.5	9 19 17.08	321 1 46.2	60 41.2	+0.40	9.994 2772	834	7 20	17 9
12	288.5	9 23 13.63	322 2 27.4	60 39.9	+0.31	9.994 3606	853	7 18	17 11
13	289.5	9 27 10.19	323 3 7.3	60 38.8	+0.21	9.994 4459	870	7 17	17 13
14	290.5	9 31 6.74	324 3 46.1	60 37.6	+0.09	9.994 5329	886	7 15	17 14
15	291.5	9 35 3.30	325 4 23.7	60 36.4	−0.04	9.994 6215	901	7 13	17 16
16	292.5	9 38 59.85	326 5 0.1	60 35.3	−0.17	9.994 7116	915	7 11	17 18
17	293.5	9 42 56.41	327 5 35.4	60 34.0	−0.29	9.994 8031	927	7 10	17 20
18	294.5	9 46 52.96	328 6 9.4	60 32.7	−0.41	9.994 8958	938	7 8	17 21
19	295.5	9 50 49.52	329 6 42.1	60 31.1	−0.52	9.994 9896	948	7 6	17 23
20	296.5	9 54 46.07	330 7 13.2	60 29.8	−0.61	9.995 0844	956	7 4	17 25
21	297.5	9 58 42.62	331 7 43.0	60 28.2	−0.66	9.995 1800	964	7 2	17 26
22	298.5	10 2 39.18	332 8 11.2	60 26.5	−0.69	9.995 2764	971	7 0	17 28
23	299.5	10 6 35.73	333 8 37.7	60 24.8	−0.70	9.995 3735	978	6 58	17 30
24	300.5	10 10 32.29	334 9 2.5	60 22.9	−0.68	9.995 4713	987	6 56	17 32
25	301.5	10 14 28.84	335 9 25.4	60 20.9	−0.61	9.995 5700	996	6 54	17 33
26	302.5	10 18 25.40	336 9 46.3	60 19.0	−0.52	9.995 6696	1005	6 52	17 35
27	303.5	10 22 21.95	337 10 5.3	60 16.9	−0.41	9.995 7701	1015	6 50	17 37
28	304.5	10 26 18.50	338 10 22.2	60 14.9	−0.29	9.995 8716	1027	6 48	17 38
29	305.5	10 30 15.06	339 10 37.1	60 12.8	−0.16	9.995 9743	1041	6 46	17 40
März 1	306.5	10 34 11.61	340 10 49.9	60 10.7	−0.03	9.996 0784	1054	6 44	17 42
2	307.5	10 38 8.16	341 11 0.6	60 8.6	+0.09	9.996 1838	1068	6 42	17 43
3	308.5	10 42 4.72	342 11 9.2	60 6.7	+0.20	9.996 2906	1084	6 40	17 45
4	309.5	10 46 1.27	343 11 15.9	60 4.7	+0.28	9.996 3990	1100	6 38	17 47
5	310.5	10 49 57.82	344 11 20.6	60 2.8	+0.32	9.996 5090	1115	6 36	17 48
6	311.5	10 53 54.38	345 11 23.4	60 0.8	+0.33	9.996 6205	1130	6 34	17 50
7	312.5	10 57 50.93	346 11 24.2	59 59.0	+0.32	9.996 7335	1145	6 32	17 51
8	313.5	11 1 47.48	347 11 23.2	59 57.2	+0.29	9.996 8480	1160	6 30	17 53
9	314.5	11 5 44.04	348 11 20.4	59 55.4	+0.23	9.996 9640	1173	6 28	17 55
10	315.5	11 9 40.59	349 11 15.8	59 53.7	+0.15	9.997 0813	1185	6 25	17 56
11	316.5	11 13 37.14	350 11 9.5	59 51.9	+0.05	9.997 1998	1196	6 23	17 58
12	317.5	11 17 33.70	351 11 1.4	59 50.2	−0.08	9.997 3194	1206	6 21	18 0
13	318.5	11 21 30.25	352 10 51.6	59 48.5	−0.20	9.997 4400	1215	6 19	18 1
14	319.5	11 25 26.80	353 10 40.1	59 46.8	−0.32	9.997 5615	1223	6 17	18 3
15	320.5	11 29 23.36	354 10 26.9	59 45.1	−0.45	9.997 6838	1228	6 15	18 4
16	321.5	11 33 19.91	355 10 12.0	59 43.3	−0.58	9.997 8066	1233	6 12	18 6
17	322.5	11 37 16.46	356 9 55.3	59 41.6	−0.69	9.997 9299	1236	6 10	18 8
18	323.5	11 41 13.02	357 9 36.9	59 39.9	−0.78	9.998 0535	1237	6 8	18 9
19	324.5	11 45 9.57	358 9 16.8	59 38.0	−0.83	9.998 1772	1237	6 6	18 11
20	325.5	11 49 6.12	359 8 54.8	59 36.2	−0.86	9.998 3009	1235	6 4	18 12
21	326.5	11 53 2.67	0 8 31.0	59 34.2	−0.87	9.998 4244	1233	6 2	18 14
22	327.5	11 56 59.23	1 8 5.2		−0.84	9.998 5477		5 59	18 16

Tag	Wochentag	0h Welt-Zeit: Zeitgleichung Mittlere Zeit *minus* Wahre Zeit		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
1928									
März 22	Do	+7m 9s.07	18s.04	0h 4m 8s.29	3m 38s.51	+0° 26′ 54″.5	23′ 41″.1	64s.48	16′ 4″.72
23	Fr	6 51.03	18.13	0 7 46.80	3 38.43	0 50 35.6	23 39.6	64.47	16 4.45
24	Sa	6 32.90	18.20	0 11 25.23	3 38.35	1 14 15.2	23 37.5	64.46	16 4.18
25	St	6 14.70	18.26	0 15 3.58	3 38.30	1 37 52.7	23 35.1	64.45	16 3.90
26	Mo	5 56.44	18.29	0 18 41.88	3 38.26	2 1 27.8	23 32.4	64.44	16 3.63
27	Di	5 38.15	18.30	0 22 20.14	3 38.25	2 25 0.2	23 29.4	64.44	16 3.36
28	Mi	+5 19.85	18.31	0 25 58.39	3 38.25	+2 48 29.6	23 25.8	64.44	16 3.09
29	Do	5 1.54	18.29	0 29 36.64	3 38.26	3 11 55.4	23 22.0	64.44	16 2.82
30	Fr	4 43.25	18.24	0 33 14.90	3 38.31	3 35 17.4	23 17.9	64.45	16 2.55
31	Sa	4 25.01	18.17	0 36 53.21	3 38.38	3 58 35.3	23 13.3	64.46	16 2.28
April 1	St	4 6.84	18.09	0 40 31.59	3 38.46	4 21 48.6	23 8.4	64.48	16 2.01
2	Mo	3 48.75	17.99	0 44 10.05	3 38.57	4 44 57.0	23 3.2	64.50	16 1.73
3	Di	+3 30.76	17.85	0 47 48.62	3 38.71	+5 8 0.2	22 57.8	64.52	16 1.46
4	Mi	3 12.91	17.69	0 51 27.33	3 38.86	5 30 58.0	22 51.9	64.54	16 1.19
5	Do	2 55.22	17.52	0 55 6.19	3 39.03	5 53 49.9	22 45.7	64.56	16 0.91
6	Fr	2 37.70	17.33	0 58 45.22	3 39.23	6 16 35.6	22 39.3	64.59	16 0.63
7	Sa	2 20.37	17.11	1 2 24.45	3 39.44	6 39 14.9	22 32.5	64.62	16 0.36
8	St	2 3.26	16.87	1 6 3.89	3 39.68	7 1 47.4	22 25.3	64.65	16 0.08
9	Mo	+1 46.39	16.61	1 9 43.57	3 39.94	+7 24 12.7	22 17.9	64.68	15 59.80
10	Di	1 29.78	16.35	1 13 23.51	3 40.21	7 46 30.6	22 10.1	64.72	15 59.52
11	Mi	1 13.43	16.05	1 17 3.72	3 40.51	8 8 40.7	22 2.1	64.76	15 59.25
12	Do	0 57.38	15.73	1 20 44.23	3 40.82	8 30 42.8	21 53.7	64.80	15 58.97
13	Fr	0 41.65	15.40	1 24 25.05	3 41.15	8 52 36.5	21 45.0	64.85	15 58.69
14	Sa	0 26.25	15.05	1 28 6.20	3 41.50	9 14 21.5	21 35.8	64.90	15 58.42
15	St	+0 11.20	14.69	1 31 47.70	3 41.87	+9 35 57.3	21 26.4	64.95	15 58.14
16	Mo	−0 3.49	14.32	1 35 29.57	3 42.24	9 57 23.7	21 16.7	65.00	15 57.87
17	Di	0 17.81	13.92	1 39 11.81	3 42.63	10 18 40.4	21 6.6	65.05	15 57.60
18	Mi	0 31.73	13.53	1 42 54.44	3 43.03	10 39 47.0	20 56.1	65.10	15 57.33
19	Do	0 45.26	13.12	1 46 37.47	3 43.43	11 0 43.1	20 45.3	65.16	15 57.06
20	Fr	0 58.38	12.69	1 50 20.90	3 43.85	11 21 28.4	20 34.1	65.22	15 56.80
21	Sa	−1 11.07	12.27	1 54 4.75	3 44.29	+11 42 2.5	20 22.6	65.28	15 56.54
22	St	1 23.34	11.84	1 57 49.04	3 44.72	12 2 25.1	20 10.7	65.35	15 56.28
23	Mo	1 35.18	11.39	2 1 33.76	3 45.16	12 22 35.8	19 58.4	65.42	15 56.03
24	Di	1 46.57	10.95	2 5 18.92	3 45.61	12 42 34.2	19 45.8	65.49	15 55.78
25	Mi	1 57.52	10.48	2 9 4.53	3 46.07	13 2 20.0	19 32.9	65.56	15 55.53
26	Do	2 8.00	10.01	2 12 50.60	3 46.54	13 21 52.9	19 19.5	65.63	15 55.28
27	Fr	−2 18.01	9.53	2 16 37.14	3 47.02	+13 41 12.4	19 5.9	65.70	15 55.04
28	Sa	2 27.54	9.05	2 20 24.16	3 47.52	14 0 18.3	18 52.0	65.77	15 54.80
29	St	2 36.59	8.54	2 24 11.68	3 48.02	14 19 10.3	18 37.7	65.85	15 54.56
30	Mo	2 45.13	8.02	2 27 59.70	3 48.53	14 37 48.0	18 23.1	65.92	15 54.32
Mai 1	Di	2 53.15	7.50	2 31 48.23	3 49.05	14 56 11.1	18 8.3	66.00	15 54.09
2	Mi	−3 0.65		2 35 37.28		+15 14 19.4		66.07	15 53.85

Tag	0h Welt-Zeit: Julian. Zeit	Sternzeit	Mittleres Äquinoktium 1928.0: Länge		Breite	log *R*		Aufgang in {+50° Breite, 0h Länge}	Untergang
1928	2425	h m s	° ′ ″	′ ″	″			h m	h m
März 22	327.5	11 56 59.23	1 8 5.2	59 32.2	−0.84	9.998 5477	1230	5 59	18 16
23	328.5	12 0 55.78	2 7 37.4	59 30.0	−0.77	9.998 6707	1227	5 57	18 17
24	329.5	12 4 52.33	3 7 7.4	59 27.7	−0.69	9.998 7934	1223	5 55	18 19
25	330.5	12 8 48.89	4 6 35.1	59 25.6	−0.58	9.998 9157	1221	5 53	18 20
26	331.5	12 12 45.44	5 6 0.7	59 23.3	−0.46	9.999 0378	1220	5 51	18 22
27	332.5	12 16 41.99	6 5 24.0	59 20.9	−0.33	9.999 1598	1219	5 48	18 23
28	333.5	12 20 38.55	7 4 44.9	59 18.5	−0.21	9.999 2817	1220	5 46	18 25
29	334.5	12 24 35.10	8 4 3.4	59 16.2	−0.08	9.999 4037	1222	5 44	18 27
30	335.5	12 28 31.65	9 3 19.6	59 13.9	+0.03	9.999 5259	1225	5 42	18 28
31	336.5	12 32 28.20	10 2 33.5	59 11.5	+0.11	9.999 6484	1229	5 40	18 30
April 1	337.5	12 36 24.76	11 1 45.0	59 9.3	+0.16	9.999 7713	1232	5 38	18 31
2	338.5	12 40 21.31	12 0 54.3	59 7.1	+0.18	9.999 8945	1236	5 36	18 33
3	339.5	12 44 17.86	13 0 1.4	59 5.1	+0.18	0.000 0181	1241	5 33	18 34
4	340.5	12 48 14.42	13 59 6.5	59 2.8	+0.15	0.000 1422	1245	5 31	18 36
5	341.5	12 52 10.97	14 58 9.3	59 0.7	+0.10	0.000 2667	1248	5 29	18 37
6	342.5	12 56 7.52	15 57 10.0	58 58.8	+0.01	0.000 3915	1252	5 27	18 39
7	343.5	13 0 4.08	16 56 8.8	58 56.9	−0.09	0.000 5167	1255	5 25	18 41
8	344.5	13 4 0.63	17 55 5.7	58 55.0	−0.20	0.000 6422	1257	5 23	18 42
9	345.5	13 7 57.18	18 54 0.7	58 53.2	−0.32	0.000 7679	1258	5 20	18 44
10	346.5	13 11 53.74	19 52 53.9	58 51.4	−0.46	0.000 8937	1258	5 18	18 45
11	347.5	13 15 50.29	20 51 45.3	58 49.5	−0.58	0.001 0195	1257	5 16	18 47
12	348.5	13 19 46.84	21 50 34.8	58 47.8	−0.69	0.001 1452	1254	5 14	18 48
13	349.5	13 23 43.40	22 49 22.6	58 46.2	−0.80	0.001 2706	1251	5 12	18 50
14	350.5	13 27 39.95	23 48 8.8	58 44.4	−0.91	0.001 3957	1245	5 10	18 51
15	351.5	13 31 36.51	24 46 53.2	58 42.7	−0.97	0.001 5202	1237	5 8	18 53
16	352.5	13 35 33.06	25 45 35.9	58 41.1	−1.00	0.001 6439	1228	5 6	18 55
17	353.5	13 39 29.61	26 44 17.0	58 39.3	−1.00	0.001 7667	1219	5 4	18 56
18	354.5	13 43 26.17	27 42 56.3	58 37.6	−0.98	0.001 8886	1207	5 2	18 58
19	355.5	13 47 22.72	28 41 33.9	58 35.8	−0.93	0.002 0093	1193	5 0	18 59
20	356.5	13 51 19.28	29 40 9.7	58 33.7	−0.84	0.002 1286	1179	4 58	19 1
21	357.5	13 55 15.83	30 38 43.4	58 31.9	−0.73	0.002 2465	1166	4 56	19 2
22	358.5	13 59 12.39	31 37 15.3	58 29.8	−0.61	0.002 3631	1152	4 54	19 4
23	359.5	14 3 8.94	32 35 45.1	58 27.7	−0.47	0.002 4783	1139	4 52	19 6
24	360.5	14 7 5.50	33 34 12.8	58 25.5	−0.33	0.002 5922	1127	4 50	19 7
25	361.5	14 11 2.05	34 32 38.3	58 23.5	−0.22	0.002 7049	1115	4 48	19 9
26	362.5	14 14 58.60	35 31 1.8	58 21.4	−0.10	0.002 8164	1105	4 46	19 10
27	363.5	14 18 55.16	36 29 23.2	58 19.2	0.00	0.002 9269	1097	4 44	19 12
28	364.5	14 22 51.71	37 27 42.4	58 17.0	+0.07	0.003 0366	1089	4 42	19 13
29	365.5	14 26 48.27	38 25 59.4	58 15.1	+0.09	0.003 1455	1082	4 41	19 15
30	366.5	14 30 44.82	39 24 14.5	58 13.2	+0.10	0.003 2537	1075	4 39	19 16
Mai 1	367.5	14 34 41.38	40 22 27.7	58 11.1	+0.08	0.003 3612	1069	4 37	19 18
2	368.5	14 38 37.94	41 20 38.8		+0.02	0.003 4681		4 35	19 19

Tag	Wochentag	0h Welt-Zeit: Zeitgleichung Mittlere Zeit *minus* Wahre Zeit		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
1928		m s	s	h m s	m s	° ′ ″	′ ″	s	′ ″
Mai 2	Mi	−3 0.65	6.97	2 35 37.28	3 49.58	+15 14 19.4	17 53.2	66.07	15 53.85
3	Do	3 7.62	6.43	2 39 26.86	3 50.13	15 32 12.6	17 37.7	66.15	15 53.62
4	Fr	3 14.05	5.88	2 43 16.99	3 50.68	15 49 50.3	17 22.0	66.23	15 53.39
5	Sa	3 19.93	5.32	2 47 7.67	3 51.23	16 7 12.3	17 6.0	66.31	15 53.16
6	St	3 25.25	4.76	2 50 58.90	3 51.80	16 24 18.3	16 49.7	66.40	15 52.93
7	Mo	3 30.01	4.18	2 54 50.70	3 52.38	16 41 8.0	16 33.0	66.48	15 52.70
8	Di	−3 34.19	3.60	2 58 43.08	3 52.95	+16 57 41.0	16 16.1	66.56	15 52.47
9	Mi	3 37.79	3.02	3 2 36.03	3 53.54	17 13 57.1	15 59.0	66.64	15 52.25
10	Do	3 40.81	2.43	3 6 29.57	3 54.12	17 29 56.1	15 41.6	66.72	15 52.03
11	Fr	3 43.24	1.84	3 10 23.69	3 54.71	17 45 37.7	15 23.8	66.80	15 51.81
12	Sa	3 45.08	1.25	3 14 18.40	3 55.31	18 1 1.5	15 5.7	66.89	15 51.59
13	St	3 46.33	0.66	3 18 13.71	3 55.90	18 16 7.2	14 47.4	66.97	15 51.37
14	Mo	−3 46.99	0.07	3 22 9.61	3 56.49	+18 30 54.6	14 28.9	67.05	15 51.16
15	Di	3 47.06	0.53	3 26 6.10	3 57.08	18 45 23.5	14 10.0	67.13	15 50.95
16	Mi	3 46.53	1.11	3 30 3.18	3 57.67	18 59 33.5	13 50.8	67.21	15 50.75
17	Do	3 45.42	1.68	3 34 0.85	3 58.24	19 13 24.3	13 31.3	67.29	15 50.55
18	Fr	3 43.74	2.25	3 37 59.09	3 58.81	19 26 55.6	13 11.6	67.37	15 50.35
19	Sa	3 41.49	2.80	3 41 57.90	3 59.36	19 40 7.2	12 51.5	67.45	15 50.16
20	St	−3 38.69	3.35	3 45 57.26	3 59.90	+19 52 58.7	12 31.2	67.53	15 49.97
21	Mo	3 35.34	3.88	3 49 57.16	4 0.44	20 5 29.9	12 10.5	67.61	15 49.79
22	Di	3 31.46	4.40	3 53 57.60	4 0.95	20 17 40.4	11 49.7	67.68	15 49.61
23	Mi	3 27.06	4.91	3 57 58.55	4 1.47	20 29 30.1	11 28.6	67.76	15 49.44
24	Do	3 22.15	5.40	4 2 0.02	4 1.96	20 40 58.7	11 7.2	67.83	15 49.27
25	Fr	3 16.75	5.88	4 6 1.98	4 2.43	20 52 5.9	10 45.6	67.90	15 49.11
26	Sa	−3 10.87	6.35	4 10 4.41	4 2.91	+21 2 51.5	10 23.7	67.97	15 48.95
27	St	3 4.52	6.81	4 14 7.32	4 3.37	21 13 15.2	10 1.7	68.04	15 48.80
28	Mo	2 57.71	7.26	4 18 10.69	4 3.82	21 23 16.9	9 39.4	68.11	15 48.64
29	Di	2 50.45	7.70	4 22 14.51	4 4.26	21 32 56.3	9 17.0	68.17	15 48.49
30	Mi	2 42.75	8.13	4 26 18.77	4 4.68	21 42 13.3	8 54.4	68.23	15 48.35
31	Do	2 34.62	8.54	4 30 23.45	4 5.09	21 51 7.7	8 31.5	68.29	15 48.21
Juni 1	Fr	−2 26.08	8.93	4 34 28.54	4 5.49	+21 59 39.2	8 8.6	68.35	15 48.07
2	Sa	2 17.15	9.32	4 38 34.03	4 5.88	22 7 47.8	7 45.6	68.41	15 47.93
3	St	2 7.83	9.69	4 42 39.91	4 6.25	22 15 33.4	7 22.2	68.46	15 47.79
4	Mo	1 58.14	10.05	4 46 46.16	4 6.61	22 22 55.6	6 58.7	68.51	15 47.66
5	Di	1 48.09	10.39	4 50 52.77	4 6.95	22 29 54.3	6 35.2	68.56	15 47.53
6	Mi	1 37.70	10.72	4 54 59.72	4 7.28	22 36 29.5	6 11.5	68.61	15 47.41
7	Do	−1 26.98	11.03	4 59 7.00	4 7.59	+22 42 41.0	5 47.6	68.65	15 47.29
8	Fr	1 15.95	11.33	5 3 14.59	4 7.89	22 48 28.6	5 23.7	68.69	15 47.17
9	Sa	1 4.62	11.61	5 7 22.48	4 8.16	22 53 52.3	4 59.6	68.73	15 47.05
10	St	0 53.01	11.86	5 11 30.64	4 8.42	22 58 51.9	4 35.4	68.76	15 46.94
11	Mo	0 41.15	12.10	5 15 39.06	4 8.66	23 3 27.3	4 11.1	68.79	15 46.83
12	Di	−0 29.05		5 19 47.72		+23 7 38.4		68.82	15 46.72

Tag		0ʰ Welt-Zeit Julian. Zeit	Sternzeit	Mittleres Äquinoktium 1928.0 Länge		Breite	log R		Aufgang in {+50° Breite, 0ʰ Länge}	Untergang
1928		2425	h m s	° ′ ″	′ ″	″			h m	h m
Mai	2	368.5	14 38 37.94	41 20 38.8	58 9.3	+0.02	0.003 4681	1063	4 35	19 19
	3	369.5	14 42 34.49	42 18 48.1	58 7.4	−0.05	0.003 5744	1057	4 34	19 21
	4	370.5	14 46 31.05	43 16 55.5	58 5.8	−0.15	0.003 6801	1051	4 32	19 22
	5	371.5	14 50 27.60	44 15 1.3	58 4.1	−0.27	0.003 7852	1045	4 30	19 24
	6	372.5	14 54 24.16	45 13 5.4	58 2.4	−0.40	0.003 8897	1038	4 28	19 25
	7	373.5	14 58 20.71	46 11 7.8	58 1.0	−0.52	0.003 9935	1031	4 27	19 27
	8	374.5	15 2 17.27	47 9 8.8	57 59.4	−0.64	0.004 0966	1024	4 25	19 28
	9	375.5	15 6 13.82	48 7 8.2	57 58.0	−0.76	0.004 1990	1014	4 23	19 30
	10	376.5	15 10 10.38	49 5 6.2	57 56.6	−0.88	0.004 3004	1004	4 22	19 31
	11	377.5	15 14 6.94	50 3 2.8	57 55.5	−0.97	0.004 4008	994	4 20	19 33
	12	378.5	15 18 3.49	51 0 58.3	57 54.1	−1.04	0.004 5002	982	4 19	19 34
	13	379.5	15 22 0.05	51 58 52.4	57 52.9	−1.08	0.004 5984	968	4 17	19 36
	14	380.5	15 25 56.60	52 56 45.3	57 51.6	−1.10	0.004 6952	952	4 16	19 37
	15	381.5	15 29 53.16	53 54 36.9	57 50.6	−1.07	0.004 7904	935	4 14	19 39
	16	382.5	15 33 49.72	54 52 27.5	57 49.3	−1.02	0.004 8839	917	4 13	19 40
	17	383.5	15 37 46.27	55 50 16.8	57 48.0	−0.94	0.004 9756	896	4 12	19 41
	18	384.5	15 41 42.83	56 48 4.8	57 46.9	−0.83	0.005 0652	875	4 10	19 43
	19	385.5	15 45 39.39	57 45 51.7	57 45.4	−0.70	0.005 1527	854	4 9	19 44
	20	386.5	15 49 35.94	58 43 37.1	57 44.1	−0.56	0.005 2381	831	4 8	19 45
	21	387.5	15 53 32.50	59 41 21.2	57 42.6	−0.42	0.005 3212	809	4 7	19 47
	22	388.5	15 57 29.06	60 39 3.8	57 41.2	−0.28	0.005 4021	787	4 6	19 48
	23	389.5	16 1 25.61	61 36 45.0	57 39.7	−0.15	0.005 4808	767	4 4	19 49
	24	390.5	16 5 22.17	62 34 24.7	57 38.1	−0.04	0.005 5575	749	4 3	19 51
	25	391.5	16 9 18.73	63 32 2.8	57 36.6	+0.04	0.005 6324	730	4 2	19 52
	26	392.5	16 13 15.29	64 29 39.4	57 35.3	+0.09	0.005 7054	714	4 1	19 53
	27	393.5	16 17 11.84	65 27 14.7	57 33.7	+0.10	0.005 7768	697	4 0	19 54
	28	394.5	16 21 8.40	66 24 48.4	57 32.3	+0.09	0.005 8465	681	3 59	19 55
	29	395.5	16 25 4.96	67 22 20.7	57 31.0	+0.05	0.005 9146	668	3 58	19 57
	30	396.5	16 29 1.52	68 19 51.7	57 29.7	−0.03	0.005 9814	654	3 58	19 58
	31	397.5	16 32 58.07	69 17 21.4	57 28.5	−0.11	0.006 0468	640	3 57	19 59
Juni	1	398.5	16 36 54.63	70 14 49.9	57 27.3	−0.21	0.006 1108	628	3 56	20 0
	2	399.5	16 40 51.19	71 12 17.2	57 26.4	−0.32	0.006 1736	615	3 55	20 1
	3	400.5	16 44 47.74	72 9 43.6	57 25.2	−0.44	0.006 2351	601	3 55	20 2
	4	401.5	16 48 44.30	73 7 8.8	57 24.4	−0.58	0.006 2952	589	3 54	20 3
	5	402.5	16 52 40.86	74 4 33.2	57 23.5	−0.71	0.006 3541	576	3 53	20 4
	6	403.5	16 56 37.42	75 1 56.7	57 22.8	−0.82	0.006 4117	563	3 53	20 4
	7	404.5	17 0 33.98	75 59 19.5	57 22.2	−0.92	0.006 4680	548	3 52	20 5
	8	405.5	17 4 30.53	76 56 41.7	57 21.4	−0.99	0.006 5228	533	3 52	20 6
	9	406.5	17 8 27.09	77 54 3.1	57 20.9	−1.05	0.006 5761	517	3 51	20 7
	10	407.5	17 12 23.65	78 51 24.0	57 20.4	−1.06	0.006 6278	500	3 51	20 8
	11	408.5	17 16 20.21	79 48 44.4	57 20.0	−1.05	0.006 6778	481	3 51	20 8
	12	409.5	17 20 16.77	80 46 4.4		−1.00	0.006 7259		3 50	20 9

Tag		Wochentag	0h Welt-Zeit: Zeitgleichung Mittlere Zeit *minus* Wahre Zeit		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
1928			m s	s	h m s	m s	° ′ ″	′ ″	″	′ ″
Juni	12	Di	−0 29.05	12.33	5 19 47.72	4 8.88	+23 7 38.4	3 46.8	68.82	15 46.72
	13	Mi	0 16.72	12.51	5 23 56.60	4 9.07	23 11 25.2	3 22.3	68.85	15 46.62
	14	Do	−0 4.21	12.68	5 28 5.67	4 9.24	23 14 47.5	2 57.8	68.88	15 46.53
	15	Fr	+0 8.47	12.82	5 32 14.91	4 9.38	23 17 45.3	2 33.1	68.90	15 46.44
	16	Sa	0 21.29	12.94	5 36 24.29	4 9.50	23 20 18.4	2 8.4	68.91	15 46.35
	17	St	0 34.23	13.03	5 40 33.79	4 9.59	23 22 26.8	1 43.6	68.92	15 46.27
	18	Mo	+0 47.26	13.09	5 44 43.38	4 9.64	+23 24 10.4	1 18.9	68.93	15 46.20
	19	Di	1 0.35	13.12	5 48 53.02	4 9.67	23 25 29.3	0 54.0	68.94	15 46.13
	20	Mi	1 13.47	13.11	5 53 2.69	4 9.67	23 26 23.3	0 29.2	68.94	15 46.07
	21	Do	1 26.58	13.09	5 57 12.36	4 9.65	23 26 52.5	0 4.4	68.94	15 46.01
	22	Fr	1 39.67	13.03	6 1 22.01	4 9.59	23 26 56.9	0 20.5	68.94	15 45.96
	23	Sa	1 52.70	12.94	6 5 31.60	4 9.50	23 26 36.4	0 45.4	68.93	15 45.92
	24	St	+2 5.64	12.85	6 9 41.10	4 9.41	+23 25 51.0	1 10.1	68.92	15 45.87
	25	Mo	2 18.49	12.72	6 13 50.51	4 9.28	23 24 40.9	1 34.9	68.91	15 45.84
	26	Di	2 31.21	12.57	6 17 59.79	4 9.13	23 23 6.0	1 59.6	68.89	15 45.81
	27	Mi	2 43.78	12.40	6 22 8.92	4 8.96	23 21 6.4	2 24.2	68.87	15 45.78
	28	Do	2 56.18	12.21	6 26 17.88	4 8.76	23 18 42.2	2 48.6	68.85	15 45.75
	29	Fr	3 8.39	11.99	6 30 26.64	4 8.55	23 15 53.6	3 13.1	68.82	15 45.73
	30	Sa	+3 20.38	11.76	6 34 35.19	4 8.32	+23 12 40.5	3 37.6	68.80	15 45.72
Juli	1	St	3 32.14	11.51	6 38 43.51	4 8.07	23 9 2.9	4 1.9	68.77	15 45.70
	2	Mo	3 43.65	11.24	6 42 51.58	4 7.80	23 5 1.0	4 26.0	68.73	15 45.69
	3	Di	3 54.89	10.95	6 46 59.38	4 7.51	23 0 35.0	4 50.0	68.69	15 45.69
	4	Mi	4 5.84	10.66	6 51 6.89	4 7.21	22 55 45.0	5 14.0	68.65	15 45.68
	5	Do	4 16.50	10.33	6 55 14.10	4 6.89	22 50 31.0	5 37.8	68.61	15 45.68
	6	Fr	+4 26.83	9.99	6 59 20.99	4 6.55	+22 44 53.2	6 1.4	68.56	15 45.69
	7	Sa	4 36.82	9.65	7 3 27.54	4 6.20	22 38 51.8	6 25.0	68.51	15 45.70
	8	St	4 46.47	9.28	7 7 33.74	4 5.84	22 32 26.8	6 48.4	68.45	15 45.71
	9	Mo	4 55.75	8.90	7 11 39.58	4 5.46	22 25 38.4	7 11.6	68.40	15 45.72
	10	Di	5 4.65	8.51	7 15 45.04	4 5.06	22 18 26.8	7 34.7	68.34	15 45.74
	11	Mi	5 13.16	8.09	7 19 50.10	4 4.65	22 10 52.1	7 57.6	68.28	15 45.76
	12	Do	+5 21.25	7.67	7 23 54.75	4 4.22	+22 2 54.5	8 20.3	68.22	15 45.79
	13	Fr	5 28.92	7.21	7 27 58.97	4 3.78	21 54 34.2	8 42.9	68.16	15 45.82
	14	Sa	5 36.13	6.74	7 32 2.75	4 3.31	21 45 51.3	9 5.3	68.09	15 45.86
	15	St	5 42.87	6.27	7 36 6.06	4 2.82	21 36 46.0	9 27.5	68.02	15 45.90
	16	Mo	5 49.14	5.77	7 40 8.88	4 2.32	21 27 18.5	9 49.3	67.95	15 45.95
	17	Di	5 54.91	5.24	7 44 11.20	4 1.80	21 17 29.2	10 11.0	67.87	15 46.00
	18	Mi	+6 0.15	4.71	7 48 13.00	4 1.27	+21 7 18.2	10 32.6	67.80	15 46.06
	19	Do	6 4.86	4.16	7 52 14.27	4 0.72	20 56 45.6	10 53.9	67.73	15 46.13
	20	Fr	6 9.02	3.60	7 56 14.99	4 0.15	20 45 51.7	11 14.8	67.65	15 46.20
	21	Sa	6 12.62	3.02	8 0 15.14	3 59.57	20 34 36.9	11 35.6	67.57	15 46.28
	22	St	6 15.64	2.43	8 4 14.71	3 58.99	20 23 1.3	11 56.1	67.49	15 46.36
	23	Mo	+6 18.07		8 8 13.70		+20 11 5.2		67.41	15 46.44

Tag	Julian. Zeit	Sternzeit	Mittleres Äquinoktium 1928.0 Länge		Breite	log R		Aufgang in {+50° Breite, 0h Länge}	Untergang in {+50° Breite, 0h Länge}
1928	2425	h m s	° ′ ″	′ ″	″			h m	h m
Juni 12	409.5	17 20 16.77	80 46 4.4	57 19.7	−1.00	0.006 7259	461	3 50	20 9
13	410.5	17 24 13.32	81 43 24.1	57 19.3	−0.92	0.006 7720	438	3 50	20 9
14	411.5	17 28 9.88	82 40 43.4	57 18.9	−0.81	0.006 8158	415	3 50	20 10
15	412.5	17 32 6.44	83 38 2.3	57 18.4	−0.68	0.006 8573	391	3 50	20 11
16	413.5	17 36 3.00	84 35 20.7	57 18.0	−0.54	0.006 8964	365	3 50	20 11
17	414.5	17 39 59.56	85 32 38.7	57 17.6	−0.41	0.006 9329	339	3 50	20 11
18	415.5	17 43 56.11	86 29 56.3	57 17.0	−0.27	0.006 9668	312	3 50	20 12
19	416.5	17 47 52.67	87 27 13.3	57 16.5	−0.14	0.006 9980	285	3 50	20 12
20	417.5	17 51 49.23	88 24 29.8	57 15.8	−0.02	0.007 0265	260	3 50	20 12
21	418.5	17 55 45.79	89 21 45.6	57 15.2	+0.07	0.007 0525	235	3 50	20 13
22	419.5	17 59 42.35	90 19 0.8	57 14.6	+0.13	0.007 0760	211	3 51	20 13
23	420.5	18 3 38.90	91 16 15.4	57 14.0	+0.16	0.007 0971	189	3 51	20 13
24	421.5	18 7 35.46	92 13 29.4	57 13.4	+0.17	0.007 1160	168	3 51	20 13
25	422.5	18 11 32.02	93 10 42.8	57 12.8	+0.14	0.007 1328	148	3 51	20 13
26	423.5	18 15 28.58	94 7 55.6	57 12.3	+0.08	0.007 1476	128	3 52	20 13
27	424.5	18 19 25.14	95 5 7.9	57 11.7	0.00	0.007 1604	111	3 52	20 13
28	425.5	18 23 21.70	96 2 19.6	57 11.4	−0.11	0.007 1715	93	3 53	20 13
29	426.5	18 27 18.25	96 59 31.0	57 11.2	−0.21	0.007 1808	76	3 53	20 13
30	427.5	18 31 14.81	97 56 42.2	57 10.8	−0.33	0.007 1884	60	3 54	20 13
Juli 1	428.5	18 35 11.37	98 53 53.0	57 10.5	−0.45	0.007 1944	44	3 54	20 13
2	429.5	18 39 7.93	99 51 3.5	57 10.4	−0.57	0.007 1988	29	3 55	20 12
3	430.5	18 43 4.49	100 48 13.9	57 10.4	−0.69	0.007 2017	14	3 56	20 12
4	431.5	18 47 1.04	101 45 24.3	57 10.5	−0.79	0.007 2031	−1	3 57	20 11
5	432.5	18 50 57.60	102 42 34.8	57 10.6	−0.87	0.007 2030	16	3 57	20 11
6	433.5	18 54 54.16	103 39 45.4	57 10.8	−0.92	0.007 2014	31	3 58	20 10
7	434.5	18 58 50.72	104 36 56.2	57 11.1	−0.95	0.007 1983	48	3 59	20 10
8	435.5	19 2 47.28	105 34 7.3	57 11.5	−0.94	0.007 1935	66	4 0	20 9
9	436.5	19 6 43.83	106 31 18.8	57 11.9	−0.90	0.007 1869	83	4 1	20 9
10	437.5	19 10 40.39	107 28 30.7	57 12.4	−0.83	0.007 1786	103	4 2	20 8
11	438.5	19 14 36.95	108 25 43.1	57 12.9	−0.73	0.007 1683	125	4 3	20 7
12	439.5	19 18 33.51	109 22 56.0	57 13.6	−0.61	0.007 1558	147	4 4	20 7
13	440.5	19 22 30.06	110 20 9.6	57 14.1	−0.47	0.007 1411	170	4 5	20 6
14	441.5	19 26 26.62	111 17 23.7	57 14.6	−0.33	0.007 1241	196	4 6	20 5
15	442.5	19 30 23.18	112 14 38.3	57 15.1	−0.19	0.007 1045	222	4 7	20 4
16	443.5	19 34 19.74	113 11 53.4	57 15.6	−0.05	0.007 0823	248	4 8	20 3
17	444.5	19 38 16.29	114 9 9.0	57 16.1	+0.07	0.007 0575	275	4 9	20 2
18	445.5	19 42 12.85	115 6 25.1	57 16.4	+0.17	0.007 0300	301	4 10	20 1
19	446.5	19 46 9.41	116 3 41.5	57 16.8	+0.24	0.006 9999	327	4 11	20 0
20	447.5	19 50 5.96	117 0 58.3	57 17.1	+0.27	0.006 9672	352	4 13	19 59
21	448.5	19 54 2.52	117 58 15.4	57 17.4	+0.28	0.006 9320	375	4 14	19 58
22	449.5	19 57 59.08	118 55 32.8	57 17.8	+0.28	0.006 8945	398	4 15	19 57
23	450.5	20 1 55.64	119 52 50.6		+0.23	0.006 8547		4 16	19 56

Sonne 1928

Tag		Wochentag	0ʰ Welt-Zeit: Zeitgleichung Mittlere Zeit *minus* Wahre Zeit		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
1928										
Juli	23	Mo	+6ᵐ 18.07ˢ	1.84ˢ	8ʰ 8ᵐ 13.70ˢ	3ᵐ 58.40ˢ	+20° 11′ 5.2″	12′ 16.3″	67.41ˢ	15′ 46.44″
	24	Di	6 19.91	1.24	8 12 12.10	3 57.79	19 58 48.9	12 36.2	67.33	15 46.53
	25	Mi	6 21.15	0.63	8 16 9.89	3 57.19	19 46 12.7	12 55.9	67.25	15 46.63
	26	Do	6 21.78	0.02	8 20 7.08	3 56.58	19 33 16.8	13 15.3	67.16	15 46.73
	27	Fr	6 21.80	0.59	8 24 3.66	3 55.97	19 20 1.5	13 34.5	67.08	15 46.83
	28	Sa	6 21.21	1.20	8 27 59.63	3 55.35	19 6 27.0	13 53.3	66.99	15 46.94
	29	St	+6 20.01	1.81	8 31 54.98	3 54.74	+18 52 33.7	14 12.0	66.90	15 47.05
	30	Mo	6 18.20	2.44	8 35 49.72	3 54.13	18 38 21.7	14 30.3	66.82	15 47.17
	31	Di	6 15.76	3.05	8 39 43.85	3 53.51	18 23 51.4	14 48.3	66.73	15 47.28
Aug.	1	Mi	6 12.71	3.65	8 43 37.36	3 52.90	18 9 3.1	15 6.0	66.64	15 47.40
	2	Do	6 9.06	4.25	8 47 30.26	3 52.30	17 53 57.1	15 23.5	66.56	15 47.53
	3	Fr	6 4.81	4.85	8 51 22.56	3 51.71	17 38 33.6	15 40.8	66.47	15 47.65
	4	Sa	+5 59.96	5.45	8 55 14.27	3 51.11	+17 22 52.8	15 57.7	66.38	15 47.78
	5	St	5 54.51	6.03	8 59 5.38	3 50.53	17 6 55.1	16 14.3	66.30	15 47.91
	6	Mo	5 48.48	6.60	9 2 55.91	3 49.94	16 50 40.8	16 30.7	66.21	15 48.05
	7	Di	5 41.88	7.18	9 6 45.85	3 49.38	16 34 10.1	16 46.8	66.12	15 48.18
	8	Mi	5 34.70	7.75	9 10 35.23	3 48.82	16 17 23.3	17 2.6	66.04	15 48.32
	9	Do	5 26.95	8.31	9 14 24.05	3 48.25	16 0 20.7	17 18.1	65.95	15 48.47
	10	Fr	+5 18.64	8.86	9 18 12.30	3 47.69	+15 43 2.6	17 33.4	65.87	15 48.62
	11	Sa	5 9.78	9.41	9 21 59.99	3 47.14	15 25 29.2	17 48.2	65.79	15 48.77
	12	St	5 0.37	9.96	9 25 47.13	3 46.59	15 7 41.0	18 2.8	65.71	15 48.92
	13	Mo	4 50.41	10.50	9 29 33.72	3 46.05	14 49 38.2	18 17.1	65.63	15 49.09
	14	Di	4 39.91	11.04	9 33 19.77	3 45.52	14 31 21.1	18 31.0	65.55	15 49.25
	15	Mi	4 28.87	11.57	9 37 5.29	3 44.98	14 12 50.1	18 44.7	65.47	15 49.42
	16	Do	+4 17.30	12.11	9 40 50.27	3 44.45	+13 54 5.4	18 58.0	65.39	15 49.60
	17	Fr	4 5.19	12.63	9 44 34.72	3 43.93	13 35 7.4	19 11.0	65.32	15 49.78
	18	Sa	3 52.56	13.14	9 48 18.65	3 43.41	13 15 56.4	19 23.6	65.24	15 49.96
	19	St	3 39.42	13.64	9 52 2.06	3 42.91	12 56 32.8	19 35.8	65.16	15 50.15
	20	Mo	3 25.78	14.14	9 55 44.97	3 42.41	12 36 57.0	19 47.8	65.09	15 50.35
	21	Di	3 11.64	14.63	9 59 27.38	3 41.93	12 17 9.2	19 59.4	65.02	15 50.55
	22	Mi	+2 57.01	15.10	10 3 9.31	3 41.46	+11 57 9.8	20 10.6	64.96	15 50.75
	23	Do	2 41.91	15.56	10 6 50.77	3 41.00	11 36 59.2	20 21.7	64.89	15 50.95
	24	Fr	2 26.35	16.00	10 10 31.77	3 40.55	11 16 37.5	20 32.3	64.83	15 51.16
	25	Sa	2 10.35	16.43	10 14 12.32	3 40.12	10 56 5.2	20 42.5	64.77	15 51.37
	26	St	1 53.92	16.84	10 17 52.44	3 39.71	10 35 22.7	20 52.6	64.71	15 51.59
	27	Mo	1 37.08	17.25	10 21 32.15	3 39.31	10 14 30.1	21 2.3	64.65	15 51.80
	28	Di	+1 19.83	17.63	10 25 11.46	3 38.93	+ 9 53 27.8	21 11.6	64.59	15 52.02
	29	Mi	1 2.20	17.99	10 28 50.39	3 38.56	9 32 16.2	21 20.6	64.54	15 52.24
	30	Do	0 44.21	18.33	10 32 28.95	3 38.22	9 10 55.6	21 29.4	64.48	15 52.47
	31	Fr	0 25.88	18.65	10 36 7.17	3 37.91	8 49 26.2	21 37.8	64.43	15 52.69
Sept.	1	Sa	+0 7.23	18.95	10 39 45.08	3 37.61	8 27 48.4	21 46.0	64.39	15 52.91
	2	St	−0 11.72		10 43 22.69		+ 8 6 2.4		64.35	15 53.14

Tag	0h Welt-Zeit: Julian. Zeit	Sternzeit	Mittleres Äquinoktium 1928.0: Länge		Breite	log R		Aufgang in {+50° Breite, 0h Länge}	Untergang in {+50° Breite, 0h Länge}
1928	2425								
Juli 23	450.5	20h 1m 55.64s	119° 52′ 50.6″	57′ 18.1″	+0.23″	0.006 8547	419	4h 16m	19h 56m
24	451.5	20 5 52.19	120 50 8.7	57 18.4	+0.15	0.006 8128	439	4 18	19 54
25	452.5	20 9 48.75	121 47 27.1	57 18.9	+0.06	0.006 7689	457	4 19	19 53
26	453.5	20 13 45.31	122 44 46.0	57 19.4	−0.04	0.006 7232	476	4 20	19 52
27	454.5	20 17 41.86	123 42 5.4	57 19.9	−0.14	0.006 6756	493	4 22	19 50
28	455.5	20 21 38.42	124 39 25.3	57 20.3	−0.25	0.006 6263	509	4 23	19 49
29	456.5	20 25 34.98	125 36 45.6	57 21.0	−0.37	0.006 5754	523	4 25	19 48
30	457.5	20 29 31.53	126 34 6.6	57 21.7	−0.48	0.006 5231	537	4 26	19 46
31	458.5	20 33 28.09	127 31 28.3	57 22.5	−0.58	0.006 4694	551	4 27	19 45
Aug. 1	459.5	20 37 24.64	128 28 50.8	57 23.3	−0.66	0.006 4143	563	4 28	19 43
2	460.5	20 41 21.20	129 26 14.1	57 24.3	−0.71	0.006 3580	577	4 30	19 42
3	461.5	20 45 17.76	130 23 38.4	57 25.2	−0.74	0.006 3003	589	4 31	19 40
4	462.5	20 49 14.31	131 21 3.6	57 26.4	−0.73	0.006 2414	600	4 33	19 38
5	463.5	20 53 10.87	132 18 30.0	57 27.5	−0.69	0.006 1814	614	4 34	19 37
6	464.5	20 57 7.42	133 15 57.5	57 28.9	−0.63	0.006 1200	629	4 36	19 35
7	465.5	21 1 3.98	134 13 26.4	57 30.1	−0.54	0.006 0571	644	4 37	19 33
8	466.5	21 5 0.54	135 10 56.5	57 31.6	−0.42	0.005 9927	660	4 38	19 32
9	467.5	21 8 57.09	136 8 28.1	57 33.0	−0.28	0.005 9267	677	4 40	19 30
10	468.5	21 12 53.65	137 6 1.1	57 34.4	−0.14	0.005 8590	696	4 42	19 28
11	469.5	21 16 50.20	138 3 35.5	57 35.8	0.00	0.005 7894	717	4 43	19 26
12	470.5	21 20 46.76	139 1 11.3	57 37.2	+0.15	0.005 7177	738	4 44	19 25
13	471.5	21 24 43.31	139 58 48.5	57 38.7	+0.27	0.005 6439	759	4 46	19 23
14	472.5	21 28 39.87	140 56 27.2	57 40.0	+0.37	0.005 5680	781	4 47	19 21
15	473.5	21 32 36.42	141 54 7.2	57 41.3	+0.45	0.005 4899	804	4 49	19 19
16	474.5	21 36 32.98	142 51 48.5	57 42.6	+0.49	0.005 4095	826	4 50	19 17
17	475.5	21 40 29.53	143 49 31.1	57 43.8	+0.50	0.005 3269	847	4 52	19 15
18	476.5	21 44 26.09	144 47 14.9	57 45.1	+0.50	0.005 2422	867	4 53	19 13
19	477.5	21 48 22.64	145 45 0.0	57 46.2	+0.45	0.005 1555	888	4 55	19 11
20	478.5	21 52 19.20	146 42 46.2	57 47.4	+0.38	0.005 0667	905	4 56	19 9
21	479.5	21 56 15.75	147 40 33.6	57 48.6	+0.30	0.004 9762	921	4 58	19 7
22	480.5	22 0 12.31	148 38 22.2	57 49.7	+0.20	0.004 8841	938	4 59	19 6
23	481.5	22 4 8.86	149 36 11.9	57 50.9	+0.11	0.004 7903	952	5 1	19 4
24	482.5	22 8 5.42	150 34 2.8	57 52.2	−0.01	0.004 6951	965	5 2	19 1
25	483.5	22 12 1.97	151 31 55.0	57 53.5	−0.13	0.004 5986	978	5 4	18 59
26	484.5	22 15 58.53	152 29 48.5	57 54.8	−0.23	0.004 5008	989	5 5	18 57
27	485.5	22 19 55.08	153 27 43.3	57 56.2	−0.33	0.004 4019	998	5 7	18 55
28	486.5	22 23 51.63	154 25 39.5	57 57.4	−0.40	0.004 3021	1007	5 8	18 53
29	487.5	22 27 48.19	155 23 36.9	57 59.0	−0.46	0.004 2014	1014	5 10	18 51
30	488.5	22 31 44.74	156 21 35.9	58 0.6	−0.48	0.004 1000	1020	5 11	18 49
31	489.5	22 35 41.30	157 19 36.5	58 2.2	−0.49	0.003 9980	1026	5 13	18 47
Sept. 1	490.5	22 39 37.85	158 17 38.7	58 3.9	−0.45	0.003 8954	1032	5 14	18 45
2	491.5	22 43 34.40	159 15 42.6		−0.39	0.003 7922		5 16	18 43

Tag	Wochentag	0h Welt-Zeit: Zeitgleichung Mittlere Zeit *minus* Wahre Zeit		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
1928		m s	s	h m s	m s	° ′ ″	′ ″	s	′ ″
Sept. 2	St	−0 11.72	19.23	10 43 22.69	3 37.32	+8 6 2.4	21 53.9	64.35	15 53.14
3	Mo	0 30.95	19.48	10 47 0.01	3 37.06	7 44 8.5	22 1.4	64.31	15 53.37
4	Di	0 50.43	19.73	10 50 37.07	3 36.83	7 22 7.1	22 8.6	64.27	15 53.60
5	Mi	1 10.16	19.95	10 54 13.90	3 36.61	6 59 58.5	22 15.6	64.23	15 53.83
6	Do	1 30.11	20.15	10 57 50.51	3 36.40	6 37 42.9	22 22.2	64.19	15 54.06
7	Fr	1 50.26	20.32	11 1 26.91	3 36.23	6 15 20.7	22 28.6	64.16	15 54.30
8	Sa	−2 10.58	20.48	11 5 3.14	3 36.07	+5 52 52.1	22 34.6	64.13	15 54.53
9	St	2 31.06	20.63	11 8 39.21	3 35.92	5 30 17.5	22 40.3	64.11	15 54.77
10	Mo	2 51.69	20.77	11 12 15.13	3 35.79	5 7 37.2	22 45.7	64.08	15 55.01
11	Di	3 12.46	20.88	11 15 50.92	3 35.68	4 44 51.5	22 50.6	64.06	15 55.26
12	Mi	3 33.34	20.97	11 19 26.60	3 35.58	4 22 0.9	22 55.3	64.05	15 55.51
13	Do	3 54.31	21.06	11 23 2.18	3 35.50	3 59 5.6	22 59.6	64.04	15 55.76
14	Fr	−4 15.37	21.12	11 26 37.68	3 35.43	+3 36 6.0	23 3.6	64.03	15 56.01
15	Sa	4 36.49	21.17	11 30 13.11	3 35.37	3 13 2.4	23 7.1	64.02	15 56.27
16	St	4 57.66	21.21	11 33 48.48	3 35.35	2 49 55.3	23 10.3	64.01	15 56.53
17	Mo	5 18.87	21.23	11 37 23.83	3 35.33	2 26 45.0	23 13.2	64.01	15 56.79
18	Di	5 40.10	21.22	11 40 59.16	3 35.33	2 3 31.8	23 15.8	64.01	15 57.06
19	Mi	6 1.32	21.20	11 44 34.49	3 35.35	1 40 16.0	23 17.9	64.01	15 57.33
20	Do	−6 22.52	21.16	11 48 9.84	3 35.39	+1 16 58.1	23 19.7	64.01	15 57.60
21	Fr	6 43.68	21.11	11 51 45.23	3 35.45	0 53 38.4	23 21.2	64.02	15 57.87
22	Sa	7 4.79	21.02	11 55 20.68	3 35.53	0 30 17.2	23 22.3	64.04	15 58.14
23	St	7 25.81	20.92	11 58 56.21	3 35.63	+0 6 54.9	23 23.1	64.06	15 58.42
24	Mo	7 46.73	20.81	12 2 31.84	3 35.75	−0 16 28.2	23 23.5	64.08	15 58.69
25	Di	8 7.54	20.66	12 6 7.59	3 35.89	0 39 51.7	23 23.6	64.10	15 58.97
26	Mi	−8 28.20	20.49	12 9 43.48	3 36.06	−1 3 15.3	23 23.3	64.12	15 59.25
27	Do	8 48.69	20.31	12 13 19.54	3 36.25	1 26 38.6	23 22.8	64.15	15 59.52
28	Fr	9 9.00	20.10	12 16 55.79	3 36.46	1 50 1.4	23 21.8	64.18	15 59.80
29	Sa	9 29.10	19.86	12 20 32.25	3 36.69	2 13 23.2	23 20.6	64.21	16 0.08
30	St	9 48.96	19.60	12 24 8.94	3 36.95	2 36 43.8	23 19.1	64.25	16 0.35
Okt. 1	Mo	10 8.56	19.31	12 27 45.89	3 37.24	3 0 2.9	23 17.3	64.29	16 0.62
2	Di	−10 27.87	19.00	12 31 23.13	3 37.55	−3 23 20.2	23 15.0	64.33	16 0.90
3	Mi	10 46.87	18.67	12 35 0.68	3 37.89	3 46 35.2	23 12.5	64.38	16 1.17
4	Do	11 5.54	18.31	12 38 38.57	3 38.24	4 9 47.7	23 9.8	64.43	16 1.44
5	Fr	11 23.85	17.93	12 42 16.81	3 38.62	4 32 57.5	23 6.6	64.48	16 1.71
6	Sa	11 41.78	17.53	12 45 55.43	3 39.02	4 56 4.1	23 2.9	64.53	16 1.98
7	St	11 59.31	17.11	12 49 34.45	3 39.44	5 19 7.0	22 59.1	64.59	16 2.26
8	Mo	−12 16.42	16.69	12 53 13.89	3 39.87	−5 42 6.1	22 54.8	64.65	16 2.53
9	Di	12 33.11	16.23	12 56 53.76	3 40.33	6 5 0.9	22 50.2	64.71	16 2.80
10	Mi	12 49.34	15.75	13 0 34.09	3 40.80	6 27 51.1	22 45.1	64.78	16 3.07
11	Do	13 5.09	15.27	13 4 14.89	3 41.29	6 50 36.2	22 39.6	64.85	16 3.34
12	Fr	13 20.36	14.77	13 7 56.18	3 41.79	7 13 15.8	22 33.9	64.92	16 3.62
13	Sa	−13 35.13		13 11 37.97		−7 35 49.7		65.00	16 3.89

Tag	Julian. Zeit	Sternzeit	0ʰ Welt-Zeit — Mittleres Äquinoktium 1928.0 — Länge		Breite	log R		Aufgang in +50° Breite, 0ʰ Länge	Untergang in +50° Breite, 0ʰ Länge
1928	2425	h m s	° ′ ″	′ ″	″			h m	h m
Sept. 2	491.5	22 43 34.40	159 15 42.6	58 5.8	−0.39	0.003 7922	1038	5 16	18 43
3	492.5	22 47 30.96	160 13 48.4	58 7.6	−0.30	0.003 6884	1044	5 17	18 41
4	493.5	22 51 27.51	161 11 56.0	58 9.6	−0.19	0.003 5840	1050	5 19	18 38
5	494.5	22 55 24.06	162 10 5.6	58 11.5	−0.05	0.003 4790	1058	5 20	18 36
6	495.5	22 59 20.62	163 8 17.1	58 13.7	+0.09	0.003 3732	1067	5 22	18 34
7	496.5	23 3 17.17	164 6 30.8	58 15.7	+0.24	0.003 2665	1078	5 23	18 32
8	497.5	23 7 13.73	165 4 46.5	58 17.9	+0.37	0.003 1587	1088	5 25	18 30
9	498.5	23 11 10.28	166 3 4.4	58 20.0	+0.49	0.003 0499	1101	5 26	18 28
10	499.5	23 15 6.83	167 1 24.4	58 22.0	+0.59	0.002 9398	1114	5 28	18 25
11	500.5	23 19 3.39	167 59 46.4	58 24.0	+0.67	0.002 8284	1128	5 29	18 23
12	501.5	23 22 59.94	168 58 10.4	58 26.0	+0.72	0.002 7156	1141	5 31	18 21
13	502.5	23 26 56.49	169 56 36.4	58 27.9	+0.74	0.002 6015	1155	5 32	18 19
14	503.5	23 30 53.05	170 55 4.3	58 29.8	+0.73	0.002 4860	1170	5 33	18 17
15	504.5	23 34 49.60	171 53 34.1	58 31.7	+0.70	0.002 3690	1183	5 35	18 15
16	505.5	23 38 46.15	172 52 5.8	58 33.5	+0.64	0.002 2507	1195	5 37	18 12
17	506.5	23 42 42.71	173 50 39.3	58 35.2	+0.55	0.002 1312	1207	5 38	18 10
18	507.5	23 46 39.26	174 49 14.5	58 36.9	+0.46	0.002 0105	1216	5 40	18 8
19	508.5	23 50 35.81	175 47 51.4	58 38.7	+0.34	0.001 8889	1226	5 41	18 6
20	509.5	23 54 32.36	176 46 30.1	58 40.4	+0.23	0.001 7663	1234	5 43	18 4
21	510.5	23 58 28.92	177 45 10.5	58 42.1	+0.11	0.001 6429	1240	5 44	18 1
22	511.5	0 2 25.47	178 43 52.6	58 43.9	+0.02	0.001 5189	1245	5 46	17 59
23	512.5	0 6 22.02	179 42 36.5	58 45.5	−0.07	0.001 3944	1250	5 47	17 57
24	513.5	0 10 18.58	180 41 22.0	58 47.3	−0.15	0.001 2694	1252	5 49	17 55
25	514.5	0 14 15.13	181 40 9.3	58 49.0	−0.21	0.001 1442	1254	5 50	17 52
26	515.5	0 18 11.68	182 38 58.3	58 50.8	−0.24	0.001 0188	1252	5 52	17 50
27	516.5	0 22 8.24	183 37 49.1	58 52.7	−0.25	0.000 8936	1250	5 53	17 48
28	517.5	0 26 4.79	184 36 41.8	58 54.6	−0.22	0.000 7686	1248	5 55	17 46
29	518.5	0 30 1.34	185 35 36.4	58 56.6	−0.16	0.000 6438	1244	5 56	17 44
30	519.5	0 33 57.90	186 34 33.0	58 58.6	−0.08	0.000 5194	1239	5 58	17 41
Okt. 1	520.5	0 37 54.45	187 33 31.6	59 0.8	+0.04	0.000 3955	1235	5 59	17 39
2	521.5	0 41 51.00	188 32 32.4	59 3.0	+0.16	0.000 2720	1231	6 1	17 37
3	522.5	0 45 47.56	189 31 35.4	59 5.2	+0.31	0.000 1489	1227	6 2	17 35
4	523.5	0 49 44.11	190 30 40.6	59 7.6	+0.45	0.000 0262	1226	6 4	17 33
5	524.5	0 53 40.66	191 29 48.2	59 10.0	+0.61	9.999 9036	1224	6 6	17 31
6	525.5	0 57 37.22	192 28 58.2	59 12.3	+0.74	9.999 7812	1223	6 7	17 28
7	526.5	1 1 33.77	193 28 10.5	59 14.7	+0.84	9.999 6589	1224	6 9	17 26
8	527.5	1 5 30.32	194 27 25.2	59 17.0	+0.93	9.999 5365	1225	6 10	17 24
9	528.5	1 9 26.88	195 26 42.2	59 19.3	+0.98	9.999 4140	1229	6 12	17 22
10	529.5	1 13 23.43	196 26 1.5	59 21.5	+1.01	9.999 2911	1231	6 13	17 20
11	530.5	1 17 19.98	197 25 23.0	59 23.8	+1.01	9.999 1680	1234	6 15	17 18
12	531.5	1 21 16.54	198 24 46.8	59 25.9	+0.97	9.999 0446	1237	6 17	17 16
13	532.5	1 25 13.09	199 24 12.7		+0.91	9.998 9209		6 18	17 14

Tag	Wochentag	0h Welt-Zeit: Zeitgleichung Mittlere Zeit *minus* Wahre Zeit	Diff.	Scheinbare Rektaszension	Diff.	Scheinbare Deklination	Diff.	Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
1928		m s	s	h m s	m s	° ′ ″	′ ″	s	′ ″
Okt. 13	Sa	—13 35.13	14.25	13 11 37.97	3 42.30	— 7 35 49.7	22 27.6	65.00	16 3.89
14	St	13 49.38	13.72	13 15 20.27	3 42.83	7 58 17.3	22 20.9	65.07	16 4.17
15	Mo	14 3.10	13.17	13 19 3.10	3 43.38	8 20 38.2	22 13.9	65.15	16 4.44
16	Di	14 16.27	12.61	13 22 46.48	3 43.94	8 42 52.1	22 6.5	65.24	16 4.72
17	Mi	14 28.88	12.03	13 26 30.42	3 44.52	9 4 58.6	21 58.6	65.32	16 5.00
18	Do	14 40.91	11.44	13 30 14.94	3 45.11	9 26 57.2	21 50.3	65.41	16 5.27
19	Fr	—14 52.35	10.84	13 34 0.05	3 45.72	— 9 48 47.5	21 41.7	65.50	16 5.55
20	Sa	15 3.19	10.22	13 37 45.77	3 46.34	10 10 29.2	21 32.6	65.59	16 5.83
21	St	15 13.41	9.58	13 41 32.11	3 46.98	10 32 1.8	21 23.1	65.69	16 6.10
22	Mo	15 22.99	8.92	13 45 19.09	3 47.63	10 53 24.9	21 13.3	65.78	16 6.38
23	Di	15 31.91	8.26	13 49 6.72	3 48.30	11 14 38.2	21 3.0	65.88	16 6.65
24	Mi	15 40.17	7.58	13 52 55.02	3 48.97	11 35 41.2	20 52.3	65.98	16 6.92
25	Do	—15 47.75	6.88	13 56 43.99	3 49.67	—11 56 33.5	20 41.3	66.08	16 7.19
26	Fr	15 54.63	6.17	14 0 33.66	3 50.39	12 17 14.8	20 29.9	66.18	16 7.46
27	Sa	16 0.80	5.44	14 4 24.05	3 51.11	12 37 44.7	20 18.0	66.29	16 7.73
28	St	16 6.24	4.70	14 8 15.16	3 51.86	12 58 2.7	20 5.9	66.39	16 7.99
29	Mo	16 10.94	3.93	14 12 7.02	3 52.63	13 18 8.6	19 53.4	66.50	16 8.25
30	Di	16 14.87	3.15	14 15 59.65	3 53.40	13 38 2.0	19 40.4	66.61	16 8.50
31	Mi	—16 18.02	2.36	14 19 53.05	3 54.20	—13 57 42.4	19 27.1	66.73	16 8.76
Nov. 1	Do	16 20.38	1.54	14 23 47.25	3 55.00	14 17 9.5	19 13.4	66.84	16 9.00
2	Fr	16 21.92	0.73	14 27 42.25	3 55.83	14 36 22.9	18 59.4	66.95	16 9.25
3	Sa	16 22.65	0.09	14 31 38.08	3 56.66	14 55 22.3	18 45.0	67.07	16 9.49
4	St	16 22.56	0.94	14 35 34.74	3 57.50	15 14 7.3	18 30.1	67.19	16 9.73
5	Mo	16 21.62	1.79	14 39 32.24	3 58.33	15 32 37.4	18 14.8	67.30	16 9.97
6	Di	—16 19.83	2.64	14 43 30.57	3 59.19	—15 50 52.2	17 59.1	67.42	16 10.20
7	Mi	16 17.19	3.49	14 47 29.76	4 0.05	16 8 51.3	17 43.0	67.54	16 10.44
8	Do	16 13.70	4.35	14 51 29.81	4 0.91	16 26 34.3	17 26.5	67.66	16 10.67
9	Fr	16 9.35	5.20	14 55 30.72	4 1.76	16 44 0.8	17 9.6	67.78	16 10.90
10	Sa	16 4.15	6.06	14 59 32.48	4 2.61	17 1 10.4	16 52.1	67.90	16 11.12
11	St	15 58.09	6.91	15 3 35.09	4 3.47	17 18 2.5	16 34.4	68.02	16 11.35
12	Mo	—15 51.18	7.77	15 7 38.56	4 4.32	—17 34 36.9	16 16.2	68.14	16 11.57
13	Di	15 43.41	8.61	15 11 42.88	4 5.17	17 50 53.1	15 57.5	68.26	16 11.80
14	Mi	15 34.80	9.45	15 15 48.05	4 6.01	18 6 50.6	15 38.4	68.38	16 12.02
15	Do	15 25.35	10.29	15 19 54.06	4 6.85	18 22 29.0	15 19.1	68.50	16 12.24
16	Fr	15 15.06	11.13	15 24 0.91	4 7.68	18 37 48.1	14 59.2	68.61	16 12.45
17	Sa	15 3.93	11.95	15 28 8.59	4 8.50	18 52 47.3	14 38.9	68.73	16 12.67
18	St	—14 51.98	12.76	15 32 17.09	4 9.32	—19 7 26.2	14 18.4	68.84	16 12.88
19	Mo	14 39.22	13.57	15 36 26.41	4 10.13	19 21 44.6	13 57.3	68.96	16 13.09
20	Di	14 25.65	14.37	15 40 36.54	4 10.93	19 35 41.9	13 35.9	69.07	16 13.29
21	Mi	14 11.28	15.16	15 44 47.47	4 11.72	19 49 17.8	13 14.2	69.18	16 13.50
22	Do	13 56.12	15.94	15 48 59.19	4 12.49	20 2 32.0	12 52.0	69.29	16 13.69
23	Fr	—13 40.18		15 53 11.68		—20 15 24.0		69.40	16 13.89

Tag	Julian. Zeit	Sternzeit	Länge (Mittleres Äquinoktium 1928.0)	Diff.	Breite	log R	Diff.	Aufgang	Untergang
			0h Welt-Zeit					in {+50° Breite, 0h Länge}	
1928	2425	h m s	° ′ ″	′ ″	″			h m	h m
Okt. 13	532.5	1 25 13.09	199 24 12.7	59 28.0	+0.91	9.998 9209	1241	6 18	17 14
14	533.5	1 29 9.64	200 23 40.7	59 30.0	+0.82	9.998 7968	1243	6 20	17 12
15	534.5	1 33 6.20	201 23 10.7	59 31.9	+0.72	9.998 6725	1246	6 21	17 10
16	535.5	1 37 2.75	202 22 42.6	59 33.8	+0.61	9.998 5479	1246	6 23	17 8
17	536.5	1 40 59.31	203 22 16.4	59 35.7	+0.50	9.998 4233	1246	6 24	17 6
18	537.5	1 44 55.86	204 21 52.1	59 37.6	+0.38	9.998 2987	1245	6 26	17 4
19	538.5	1 48 52.42	205 21 29.7	59 39.4	+0.27	9.998 1742	1244	6 28	17 2
20	539.5	1 52 48.97	206 21 9.1	59 41.1	+0.16	9.998 0498	1240	6 29	17 0
21	540.5	1 56 45.52	207 20 50.2	59 42.8	+0.08	9.997 9258	1236	6 31	16 58
22	541.5	2 0 42.08	208 20 33.0	59 44.5	+0.02	9.997 8022	1230	6 33	16 56
23	542.5	2 4 38.63	209 20 17.5	59 46.3	−0.03	9.997 6792	1223	6 34	16 54
24	543.5	2 8 35.19	210 20 3.8	59 48.0	−0.03	9.997 5569	1212	6 36	16 52
25	544.5	2 12 31.74	211 19 51.8	59 49.6	−0.01	9.997 4357	1202	6 38	16 50
26	545.5	2 16 28.30	212 19 41.4	59 51.5	+0.05	9.997 3155	1190	6 39	16 48
27	546.5	2 20 24.85	213 19 32.9	59 53.2	+0.13	9.997 1965	1176	6 41	16 46
28	547.5	2 24 21.41	214 19 26.1	59 55.0	+0.23	9.997 0789	1161	6 42	16 45
29	548.5	2 28 17.96	215 19 21.1	59 57.0	+0.36	9.996 9628	1146	6 44	16 43
30	549.5	2 32 14.52	216 19 18.1	59 59.0	+0.49	9.996 8482	1130	6 46	16 41
31	550.5	2 36 11.07	217 19 17.1	60 1.0	+0.64	9.996 7352	1115	6 47	16 39
Nov. 1	551.5	2 40 7.63	218 19 18.1	60 3.1	+0.79	9.996 6237	1100	6 49	16 38
2	552.5	2 44 4.18	219 19 21.2	60 5.2	+0.92	9.996 5137	1087	6 51	16 36
3	553.5	2 48 0.74	220 19 26.4	60 7.3	+1.04	9.996 4050	1074	6 52	16 34
4	554.5	2 51 57.29	221 19 33.7	60 9.5	+1.13	9.996 2976	1062	6 54	16 33
5	555.5	2 55 53.85	222 19 43.2	60 11.6	+1.19	9.996 1914	1051	6 56	16 31
6	556.5	2 59 50.40	223 19 54.8	60 13.7	+1.22	9.996 0863	1042	6 57	16 29
7	557.5	3 3 46.96	224 20 8.5	60 15.8	+1.22	9.995 9821	1034	6 59	16 28
8	558.5	3 7 43.52	225 20 24.3	60 17.6	+1.20	9.995 8787	1025	7 1	16 26
9	559.5	3 11 40.07	226 20 41.9	60 19.5	+1.13	9.995 7762	1017	7 2	16 25
10	560.5	3 15 36.63	227 21 1.4	60 21.4	+1.05	9.995 6745	1010	7 4	16 23
11	561.5	3 19 33.18	228 21 22.8	60 23.2	+0.94	9.995 5735	1001	7 6	16 22
12	562.5	3 23 29.74	229 21 46.0	60 24.8	+0.83	9.995 4734	994	7 7	16 20
13	563.5	3 27 26.30	230 22 10.8	60 26.5	+0.71	9.995 3740	986	7 9	16 19
14	564.5	3 31 22.85	231 22 37.3	60 28.0	+0.59	9.995 2754	976	7 11	16 18
15	565.5	3 35 19.41	232 23 5.3	60 29.4	+0.46	9.995 1778	967	7 12	16 16
16	566.5	3 39 15.97	233 23 34.7	60 30.8	+0.35	9.995 0811	957	7 14	16 15
17	567.5	3 43 12.52	234 24 5.5	60 32.3	+0.24	9.994 9854	945	7 16	16 14
18	568.5	3 47 9.08	235 24 37.8	60 33.5	+0.17	9.994 8909	932	7 17	16 13
19	569.5	3 51 5.64	236 25 11.3	60 34.8	+0.12	9.994 7977	919	7 19	16 12
20	570.5	3 55 2.19	237 25 46.1	60 36.0	+0.09	9.994 7058	904	7 20	16 11
21	571.5	3 58 58.75	238 26 22.1	60 37.1	+0.09	9.994 6154	887	7 22	16 10
22	572.5	4 2 55.31	239 26 59.2	60 38.2	+0.12	9.994 5267	869	7 23	16 9
23	573.5	4 6 51.87	240 27 37.4		+0.20	9.994 4398		7 25	16 8

Tag	Wochentag	0h Welt-Zeit: Zeitgleichung, Mittlere Zeit *minus* Wahre Zeit (m s)	Diff. (s)	Scheinbare Rektaszension (h m s)	Diff. (m s)	Scheinbare Deklination (° ′ ″)	Diff. (′ ″)	Halbe Durchgangs-Dauer St.-Zt. (s)	Halbmesser (′ ″)
1928									
Nov. 23	Fr	−13 40.18	16.70	15 53 11.68	4 13.26	−20 15 24.0	12 29.6	69.40	16 13.89
24	Sa	13 23.48	17.46	15 57 24.94	4 14.01	20 27 53.6	12 6.9	69.51	16 14.08
25	St	13 6.02	18.20	16 1 38.95	4 14.77	20 40 0.5	11 43.7	69.62	16 14.27
26	Mo	12 47.82	18.95	16 5 53.72	4 15.50	20 51 44.2	11 20.3	69.72	16 14.45
27	Di	12 28.87	19.67	16 10 9.22	4 16.23	21 3 4.5	10 56.6	69.82	16 14.62
28	Mi	12 9.20	20.38	16 14 25.45	4 16.94	21 14 1.1	10 32.6	69.92	16 14.79
29	Do	−11 48.82	21.08	16 18 42.39	4 17.64	−21 24 33.7	10 8.3	70.02	16 14.95
30	Fr	11 27.74	21.77	16 23 0.03	4 18.33	21 34 42.0	9 43.7	70.11	16 15.11
Dez. 1	Sa	11 5.97	22.45	16 27 18.36	4 19.00	21 44 25.7	9 18.9	70.20	16 15.27
2	St	10 43.52	23.10	16 31 37.36	4 19.65	21 53 44.6	8 53.8	70.29	16 15.41
3	Mo	10 20.42	23.73	16 35 57.01	4 20.29	22 2 38.4	8 28.3	70.37	16 15.56
4	Di	9 56.69	24.33	16 40 17.30	4 20.90	22 11 6.7	8 2.6	70.45	16 15.70
5	Mi	−9 32.36	24.92	16 44 38.20	4 21.47	−22 19 9.3	7 36.7	70.53	16 15.83
6	Do	9 7.44	25.47	16 48 59.67	4 22.03	22 26 46.0	7 10.5	70.61	16 15.96
7	Fr	8 41.97	26.00	16 53 21.70	4 22.56	22 33 56.5	6 44.1	70.68	16 16.09
8	Sa	8 15.97	26.50	16 57 44.26	4 23.06	22 40 40.6	6 17.4	70.75	16 16.21
9	St	7 49.47	26.96	17 2 7.32	4 23.52	22 46 58.0	5 50.5	70.81	16 16.33
10	Mo	7 22.51	27.40	17 6 30.84	4 23.96	22 52 48.5	5 23.4	70.87	16 16.44
11	Di	−6 55.11	27.79	17 10 54.80	4 24.35	−22 58 11.9	4 56.1	70.93	16 16.55
12	Mi	6 27.32	28.17	17 15 19.15	4 24.72	23 3 8.0	4 28.7	70.98	16 16.66
13	Do	5 59.15	28.50	17 19 43.87	4 25.06	23 7 36.7	4 1.2	71.02	16 16.77
14	Fr	5 30.65	28.79	17 24 8.93	4 25.36	23 11 37.9	3 33.3	71.06	16 16.87
15	Sa	5 1.86	29.05	17 28 34.29	4 25.61	23 15 11.2	3 5.4	71.10	16 16.97
16	St	4 32.81	29.28	17 32 59.90	4 25.83	23 18 16.6	2 37.5	71.14	16 17.06
17	Mo	−4 3.53	29.47	17 37 25.73	4 26.02	−23 20 54.1	2 9.4	71.17	16 17.15
18	Di	3 34.06	29.62	17 41 51.75	4 26.18	23 23 3.5	1 41.2	71.20	16 17.24
19	Mi	3 4.44	29.74	17 46 17.93	4 26.30	23 24 44.7	1 13.0	71.22	16 17.32
20	Do	2 34.70	29.82	17 50 44.23	4 26.38	23 25 57.7	0 44.7	71.23	16 17.39
21	Fr	2 4.88	29.86	17 55 10.61	4 26.42	23 26 42.4	0 16.5	71.24	16 17.47
22	Sa	1 35.02	29.88	17 59 37.03	4 26.44	23 26 58.9	0 11.8	71.25	16 17.53
23	St	−1 5.14	29.86	18 4 3.47	4 26.42	−23 26 47.1	0 40.1	71.26	16 17.60
24	Mo	0 35.28	29.80	18 8 29.89	4 26.36	23 26 7.0	1 8.3	71.26	16 17.65
25	Di	−0 5.48	29.73	18 12 56.25	4 26.29	23 24 58.7	1 36.6	71.25	16 17.70
26	Mi	+0 24.25	29.63	18 17 22.54	4 26.19	23 23 22.1	2 4.7	71.24	16 17.74
27	Do	0 53.88	29.49	18 21 48.73	4 26.05	23 21 17.4	2 32.8	71.22	16 17.78
28	Fr	1 23.37	29.32	18 26 14.78	4 25.87	23 18 44.6	3 0.9	71.20	16 17.81
29	Sa	+1 52.69	29.13	18 30 40.65	4 25.69	−23 15 43.7	3 28.8	71.17	16 17.83
30	St	2 21.82	28.91	18 35 6.34	4 25.48	23 12 14.9	3 56.6	71.14	16 17.85
31	Mo	2 50.73	28.66	18 39 31.82	4 25.22	23 8 18.3	4 24.4	71.11	16 17.86
32	Di	+3 19.39		18 43 57.04		−23 3 53.9		71.08	16 17.86

Tag	Julian. Zeit	Sternzeit (0h Welt-Zeit)	Mittleres Äquinoktium 1928.0 Länge		Breite	log R		Aufgang in {+50° Breite, 0h Länge}	Untergang in {+50° Breite, 0h Länge}
1928	2425	h m s	° ′ ″	′ ″	″			h m	h m
Nov. 23	573.5	4 6 51.87	240 27 37.4	60 39.5	+0.20	9.994 4398	849	7 25	16 8
24	574.5	4 10 48.42	241 28 16.9	60 40.5	+0.29	9.994 3549	827	7 26	16 7
25	575.5	4 14 44.98	242 28 57.4	60 41.7	+0.41	9.994 2722	805	7 28	16 6
26	576.5	4 18 41.54	243 29 39.1	60 42.9	+0.55	9.994 1917	781	7 29	16 5
27	577.5	4 22 38.10	244 30 22.0	60 44.1	+0.69	9.994 1136	756	7 31	16 4
28	578.5	4 26 34.65	245 31 6.1	60 45.4	+0.84	9.994 0380	731	7 32	16 3
29	579.5	4 30 31.21	246 31 51.5	60 46.8	+0.97	9.993 9649	706	7 34	16 3
30	580.5	4 34 27.77	247 32 38.3	60 48.2	+1.09	9.993 8943	682	7 35	16 2
Dez. 1	581.5	4 38 24.33	248 33 26.5	60 49.7	+1.19	9.993 8261	659	7 36	16 1
2	582.5	4 42 20.88	249 34 16.2	60 51.0	+1.25	9.993 7602	637	7 38	16 1
3	583.5	4 46 17.44	250 35 7.2	60 52.4	+1.28	9.993 6965	616	7 39	16 0
4	584.5	4 50 14.00	251 35 59.6	60 53.7	+1.29	9.993 6349	597	7 40	16 0
5	585.5	4 54 10.56	252 36 53.3	60 55.1	+1.27	9.993 5752	579	7 41	15 59
6	586.5	4 58 7.12	253 37 48.4	60 56.4	+1.22	9.993 5173	562	7 43	15 59
7	587.5	5 2 3.68	254 38 44.8	60 57.6	+1.13	9.993 4611	544	7 44	15 59
8	588.5	5 6 0.23	255 39 42.4	60 58.8	+1.03	9.993 4067	528	7 45	15 59
9	589.5	5 9 56.79	256 40 41.2	60 59.7	+0.91	9.993 3539	512	7 46	15 58
10	590.5	5 13 53.35	257 41 40.9	61 0.7	+0.78	9.993 3027	496	7 47	15 58
11	591.5	5 17 49.91	258 42 41.6	61 1.6	+0.65	9.993 2531	481	7 48	15 58
12	592.5	5 21 46.47	259 43 43.2	61 2.4	+0.52	9.993 2050	466	7 49	15 58
13	593.5	5 25 43.03	260 44 45.6	61 3.1	+0.40	9.993 1584	450	7 50	15 58
14	594.5	5 29 39.59	261 45 48.7	61 3.7	+0.29	9.993 1134	434	7 51	15 58
15	595.5	5 33 36.14	262 46 52.4	61 4.4	+0.20	9.993 0700	418	7 52	15 59
16	596.5	5 37 32.70	263 47 56.8	61 4.9	+0.14	9.993 0282	400	7 53	15 59
17	597.5	5 41 29.26	264 49 1.7	61 5.2	+0.10	9.992 9882	382	7 53	15 59
18	598.5	5 45 25.82	265 50 6.9	61 5.6	+0.09	9.992 9500	363	7 54	15 59
19	599.5	5 49 22.38	266 51 12.5	61 5.8	+0.10	9.992 9137	342	7 55	16 0
20	600.5	5 53 18.94	267 52 18.3	61 6.0	+0.15	9.992 8795	321	7 55	16 0
21	601.5	5 57 15.50	268 53 24.3	61 6.2	+0.24	9.992 8474	298	7 56	16 0
22	602.5	6 1 12.06	269 54 30.5	61 6.4	+0.35	9.992 8176	273	7 56	16 1
23	603.5	6 5 8.61	270 55 36.9	61 6.5	+0.47	9.992 7903	247	7 57	16 1
24	604.5	6 9 5.17	271 56 43.4	61 6.6	+0.61	9.992 7656	219	7 57	16 2
25	605.5	6 13 1.73	272 57 50.0	61 6.7	+0.75	9.992 7437	191	7 58	16 3
26	606.5	6 16 58.29	273 58 56.7	61 7.0	+0.87	9.992 7246	161	7 58	16 3
27	607.5	6 20 54.85	275 0 3.7	61 7.3	+0.99	9.992 7085	131	7 58	16 4
28	608.5	6 24 51.41	276 1 11.0	61 7.6	+1.09	9.992 6954	103	7 58	16 5
29	609.5	6 28 47.97	277 2 18.6	61 7.9	+1.16	9.992 6851	75	7 59	16 6
30	610.5	6 32 44.53	278 3 26.5	61 8.3	+1.20	9.992 6776	47	7 59	16 7
31	611.5	6 36 41.08	279 4 34.8	61 8.6	+1.20	9.992 6729	20	7 59	16 8
32	612.5	6 40 37.64	280 5 43.4		+1.17	9.992 6709		7 59	16 8

Welt-Zeit		Mittleres Äquinoktium 1928.0								
		X		Red. auf 1925.0	Y		Red. auf 1925.0	Z		Red. auf 1925.0
1928	h									
Jan. 0	0	+0.142 3065	8 6465	−7113	−0.892 5978	1 2069	− 952	−0.387 1635	5237	− 414
0	12	0.150 9530	8 6343		0.891 3909	1 2762		0.386 6398	5537	
1	0	0.159 5873	8 6214	7093	0.890 1147	1 3453	1068	0.386 0861	5837	464
1	12	0.168 2087	8 6079		0.888 7694	1 4143		0.385 5024	6137	
2	0	0.176 8166	8 5939	7071	0.887 3551	1 4832	1183	0.384 8887	6435	515
2	12	0.185 4105	8 5791		0.885 8719	1 5519		0.384 2452	6734	
3	0	+0.193 9896	8 5637	−7047	−0.884 3200	1 6204	−1298	−0.383 5718	7031	− 565
3	12	0.202 5533	8 5476		0.882 6996	1 6887		0.382 8687	7328	
4	0	0.211 1009	8 5309	7021	0.881 0109	1 7569	1413	0.382 1359	7624	614
4	12	0.219 6318	8 5137		0.879 2540	1 8250		0.381 3735	7919	
5	0	0.228 1455	8 4958	6992	0.877 4290	1 8929	1527	0.380 5816	8214	664
5	12	0.236 6413	8 4773		0.875 5361	1 9606		0.379 7602	8507	
6	0	+0.245 1186	8 4582	−6961	−0.873 5755	2 0281	−1641	−0.378 9095	8801	− 713
6	12	0.253 5768	8 4385		0.871 5474	2 0956		0.378 0294	9093	
7	0	0.262 0153	8 4182	6928	0.869 4518	2 1629	1754	0.377 1201	9384	763
7	12	0.270 4335	8 3973		0.867 2889	2 2300		0.376 1817	9675	
8	0	0.278 8308	8 3757	6893	0.865 0589	2 2970	1867	0.375 2142	9965	812
8	12	0.287 2065	8 3538		0.862 7619	2 3638		0.374 2177	1 0256	
9	0	+0.295 5603	8 3310	−6856	−0.860 3981	2 4304	−1979	−0.373 1921	1 0545	− 860
9	12	0.303 8913	8 3076		0.857 9677	2 4970		0.372 1376	1 0832	
10	0	0.312 1989	8 2837	6817	0.855 4707	2 5633	2091	0.371 0544	1 1119	909
10	12	0.320 4826	8 2591		0.852 9074	2 6294		0.369 9425	1 1406	
11	0	0.328 7417	8 2339	6776	0.850 2780	2 6954	2202	0.368 8019	1 1692	957
11	12	0.336 9756	8 2080		0.847 5826	2 7613		0.367 6327	1 1977	
12	0	+0.345 1836	8 1816	−6732	−0.844 8213	2 8270	−2312	−0.366 4350	1 2261	−1005
12	12	0.353 3652	8 1545		0.841 9943	2 8924		0.365 2089	1 2546	
13	0	0.361 5197	8 1268	6687	0.839 1019	2 9577	2422	0.363 9543	1 2828	1053
13	12	0.369 6465	8 0984		0.836 1442	3 0228		0.362 6715	1 3109	
14	0	0.377 7449	8 0693	6639	0.833 1214	3 0876	2530	0.361 3606	1 3391	1100
14	12	0.385 8142	8 0397		0.830 0338	3 1523		0.360 0215	1 3672	
15	0	+0.393 8539	8 0095	−6590	−0.826 8815	3 2167	−2638	−0.358 6543	1 3950	−1147
15	12	0.401 8634	7 9786		0.823 6648	3 2810		0.357 2593	1 4229	
16	0	0.409 8420	7 9470	6538	0.820 3838	3 3450	2745	0.355 8364	1 4506	1194
16	12	0.417 7890	7 9147		0.817 0388	3 4087		0.354 3858	1 4781	
17	0	0.425 7037	7 8819	6484	0.813 6301	3 4721	2852	0.352 9077	1 5057	1240
17	12	0.433 5856	7 8485		0.810 1580	3 5353		0.351 4020	1 5331	
18	0	+0.441 4341	7 8144	−6429	−0.806 6227	3 5983	−2957	−0.349 8689	1 5605	−1286
18	12	0.449 2485	7 7796		0.803 0244	3 6610		0.348 3084	1 5876	
19	0	0.457 0281	7 7443	6371	0.799 3634	3 7234	3062	0.346 7208	1 6147	1332
19	12	0.464 7724	7 7082		0.795 6400	3 7855		0.345 1061	1 6416	
20	0	0.472 4806	7 6715	−6311	0.791 8545	3 8474	−3165	0.343 4645	1 6684	−1377
20	12	+0.480 1521			−0.788 0071			−0.341 7961		

Welt-Zeit		Mittleres Äquinoktium 1928.0 X	Δ	Red. auf 1925.0	Y	Δ	Red. auf 1925.0	Z	Δ	Red. auf 1925.0
1928	h									
Jan. 20	12	+0.480 1521			−0.788 0071			−0.341 7961		
21	0	0.487 7865	7 6344	−6249	0.784 0981	3 9090	−3268	0.340 1009	1 6952	−1421
21	12	0.495 3829	7 5964		0.780 1279	3 9702		0.338 3791	1 7218	
22	0	0.502 9407	7 5578	6185	0.776 0968	4 0311	3370	0.336 6310	1 7481	1465
22	12	0.510 4594	7 5187		0.772 0051	4 0917		0.334 8565	1 7745	
23	0	0.517 9383	7 4789	6120	0.767 8532	4 1519	3470	0.333 0559	1 8006	1509
23	12	+0.525 3767	7 4384		−0.763 6414	4 2118		−0.331 2293	1 8266	
24	0	0.532 7741	7 3974	−6052	0.759 3701	4 2713	−3570	0.329 3769	1 8524	−1552
24	12	0.540 1299	7 3558		0.755 0396	4 3305		0.327 4987	1 8782	
25	0	0.547 4435	7 3136	5983	0.750 6504	4 3892	3668	0.325 5950	1 9037	1595
25	12	0.554 7142	7 2707		0.746 2028	4 4476		0.323 6660	1 9290	
26	0	0.561 9415	7 2273	5912	0.741 6973	4 5055	3765	0.321 7118	1 9542	1637
26	12	+0.569 1248	7 1833		−0.737 1342	4 5631		−0.319 7325	1 9793	
27	0	0.576 2636	7 1388	−5838	0.732 5138	4 6204	−3861	0.317 7285	2 0040	−1679
27	12	0.583 3573	7 0937		0.727 8367	4 6771		0.315 6998	2 0287	
28	0	0.590 4054	7 0481	5763	0.723 1034	4 7333	3956	0.313 6467	2 0531	1720
28	12	0.597 4074	7 0020		0.718 3141	4 7893		0.311 5691	2 0776	
29	0	0.604 3626	6 9552	5687	0.713 4694	4 8447	4050	0.309 4674	2 1017	1761
29	12	+0.611 2706	6 9080		−0.708 5695	4 8999		−0.307 3418	2 1256	
30	0	0.618 1310	6 8604	−5608	0.703 6151	4 9544	−4142	0.305 1927	2 1491	−1801
30	12	0.624 9432	6 8122		0.698 6064	5 0087		0.303 0199	2 1728	
31	0	0.631 7068	6 7636	5528	0.693 5441	5 0623	4233	0.300 8239	2 1960	1841
31	12	0.638 4213	6 7145		0.688 4285	5 1156		0.298 6046	2 2193	
Febr. 1	0	0.645 0861	6 6648	5446	0.683 2599	5 1686	4323	0.296 3624	2 2422	1880
1	12	+0.651 7008	6 6147		−0.678 0388	5 2211		−0.294 0975	2 2649	
2	0	0.658 2651	6 5643	−5362	0.672 7657	5 2731	−4411	0.291 8100	2 2875	−1918
2	12	0.664 7785	6 5134		0.667 4410	5 3247		0.289 5001	2 3099	
3	0	0.671 2405	6 4620	5277	0.662 0651	5 3759	4498	0.287 1680	2 3321	1956
3	12	0.677 6507	6 4102		0.656 6384	5 4267		0.284 8138	2 3542	
4	0	0.684 0085	6 3578	5190	0.651 1614	5 4770	4584	0.282 4379	2 3759	1993
4	12	+0.690 3137	6 3052		−0.645 6344	5 5270		−0.280 0404	2 3975	
5	0	0.696 5658	6 2521	−5101	0.640 0580	5 5764	−4668	0.277 6214	2 4190	−2030
5	12	0.702 7644	6 1986		0.634 4324	5 6256		0.275 1811	2 4403	
6	0	0.708 9090	6 1446	5011	0.628 7581	5 6743	4751	0.272 7197	2 4614	2066
6	12	0.714 9992	6 0902		0.623 0355	5 7226		0.270 2374	2 4823	
7	0	0.721 0346	6 0354	4920	0.617 2651	5 7704	4832	0.267 7344	2 5030	2101
7	12	+0.727 0147	5 9801		−0.611 4472	5 8179		−0.265 2108	2 5236	
8	0	0.732 9392	5 9245	−4827	0.605 5823	5 8649	−4912	0.262 6669	2 5439	−2136
8	12	0.738 8076	5 8684		0.599 6708	5 9115		0.260 1028	2 5641	
9	0	0.744 6193	5 8117	4733	0.593 7132	5 9576	4990	0.257 5187	2 5841	2170
9	12	0.750 3741	5 7548		0.587 7097	6 0035		0.254 9149	2 6038	
10	0	+0.756 0715	5 6974	−4637	−0.581 6611	6 0486	−5067	−0.252 2914	2 6235	−2203

Welt-Zeit		Mittleres Äquinoktium 1928.0								
		X		Red. auf 1925.0	*Y*		Red. auf 1925.0	*Z*		Red. auf 1925.0
1928	h									
Febr. 10	0	+0.756 0715	5 6396	−4637	−0.581 6611	6 0935	−5067	−0.252 2914	2 6429	−2203
10	12	0.761 7111	5 5812		0.575 5676	6 1379		0.249 6485	2 6622	
11	0	0.767 2923	5 5226	4540	0.569 4297	6 1820	5142	0.246 9863	2 6811	2236
11	12	0.772 8149	5 4634		0.563 2477	6 2254		0.244 3052	2 7000	
12	0	0.778 2783	5 4038	4441	0.557 0223	6 2685	5216	0.241 6052	2 7186	2268
12	12	0.783 6821	5 3439		0.550 7538	6 3110		0.238 8866	2 7371	
13	0	+0.789 0260	5 2836	−4341	−0.544 4428	6 3532	−5288	−0.236 1495	2 7553	−2299
13	12	0.794 3096	5 2227		0.538 0896	6 3947		0.233 3942	2 7734	
14	0	0.799 5323	5 1615	4239	0.531 6949	6 4358	5359	0.230 6208	2 7912	2330
14	12	0.804 6938	5 0998		0.525 2591	6 4765		0.227 8296	2 8089	
15	0	0.809 7936	5 0378	4136	0.518 7826	6 5166	5428	0.225 0207	2 8262	2360
15	12	0.814 8314	4 9754		0.512 2660	6 5563		0.222 1945	2 8435	
16	0	+0.819 8068	4 9127	−4032	−0.505 7097	6 5954	−5495	−0.219 3510	2 8604	−2390
16	12	0.824 7195	4 8493		0.499 1143	6 6341		0.216 4906	2 8772	
17	0	0.829 5688	4 7856	3926	0.492 4802	6 6722	5561	0.213 6134	2 8937	2418
17	12	0.834 3544	4 7217		0.485 8080	6 7099		0.210 7197	2 9101	
18	0	0.839 0761	4 6574	3820	0.479 0981	6 7469	5624	0.207 8096	2 9261	2446
18	12	0.843 7335	4 5925		0.472 3512	6 7835		0.204 8835	2 9420	
19	0	+0.848 3260	4 5273	−3712	−0.465 5677	6 8193	−5686	−0.201 9415	2 9577	−2473
19	12	0.852 8533	4 4618		0.458 7484	6 8549		0.198 9838	2 9731	
20	0	0.857 3151	4 3959	3603	0.451 8935	6 8897	5746	0.196 0107	2 9882	2499
20	12	0.861 7110	4 3296		0.445 0038	6 9240		0.193 0225	3 0031	
21	0	0.866 0406	4 2630	3493	0.438 0798	6 9577	5805	0.190 0194	3 0178	2525
21	12	0.870 3036	4 1961		0.431 1221	6 9909		0.187 0016	3 0322	
22	0	+0.874 4997	4 1288	−3381	−0.424 1312	7 0233	−5861	−0.183 9694	3 0463	−2549
22	12	0.878 6285	4 0612		0.417 1079	7 0554		0.180 9231	3 0603	
23	0	0.882 6897	3 9934	3269	0.410 0525	7 0866	5916	0.177 8628	3 0739	2573
23	12	0.886 6831	3 9253		0.402 9659	7 1175		0.174 7889	3 0872	
24	0	0.890 6084	3 8568	3156	0.395 8484	7 1474	5969	0.171 7017	3 1004	2596
24	12	0.894 4652	3 7881		0.388 7010	7 1770		0.168 6013	3 1132	
25	0	+0.898 2533	3 7192	−3042	−0.381 5240	7 2059	−6020	−0.165 4881	3 1257	−2618
25	12	0.901 9725	3 6500		0.374 3181	7 2344		0.162 3624	3 1381	
26	0	0.905 6225	3 5807	2927	0.367 0837	7 2619	6070	0.159 2243	3 1502	2640
26	12	0.909 2032	3 5111		0.359 8218	7 2892		0.156 0741	3 1620	
27	0	0.912 7143	3 4413	2811	0.352 5326	7 3157	6117	0.152 9121	3 1734	2660
27	12	0.916 1556	3 3713		0.345 2169	7 3416		0.149 7387	3 1847	
28	0	+0.919 5269	3 3011	−2694	−0.337 8753	7 3669	−6163	−0.146 5540	3 1958	−2680
28	12	0.922 8280	3 2308		0.330 5084	7 3918		0.143 3582	3 2065	
29	0	0.926 0588	3 1603	2577	0.323 1166	7 4159	6207	0.140 1517	3 2170	2699
29	12	0.929 2191	3 0896		0.315 7007	7 4395		0.136 9347	3 2272	
März 1	0	0.932 3087	3 0188	−2458	0.308 2612	7 4626	−6249	0.133 7075	3 2371	−2717
1	12	+0.935 3275			−0.300 7986			−0.130 4704		

Welt-Zeit		Mittleres Äquinoktium 1928.0								
		X		Red. auf 1925.0	*Y*		Red. auf 1925.0	*Z*		Red. auf 1925.0
1928	h									
März 1	12	+0.935 3275	2 9477		−0.300 7986	7 4850		−0.130 4704	3 2469	
2	0	0.938 2752	2 8765	−2339	0.293 3136	7 5069	−6289	0.127 2235	3 2564	−2735
2	12	0.941 1517	2 8053		0.285 8067	7 5284		0.123 9671	3 2658	
3	0	0.943 9570	2 7340	2219	0.278 2783	7 5491	6328	0.120 7013	3 2746	2751
3	12	0.946 6910	2 6623		0.270 7292	7 5694		0.117 4267	3 2833	
4	0	0.949 3533	2 5906	2099	0.263 1598	7 5890	6364	0.114 1434	3 2918	2767
4	12	+0.951 9439	2 5187		−0.255 5708	7 6083		−0.110 8516	3 3002	
5	0	0.954 4626	2 4468	−1978	0.247 9625	7 6269	−6398	0.107 5514	3 3082	−2782
5	12	0.956 9094	2 3746		0.240 3356	7 6449		0.104 2432	3 3161	
6	0	0.959 2840	2 3024	1856	0.232 6907	7 6624	6430	0.100 9271	3 3235	2796
6	12	0.961 5864	2 2299		0.225 0283	7 6793		0.097 6036	3 3308	
7	0	0.963 8163	2 1574	1734	0.217 3490	7 6958	6461	0.094 2728	3 3379	2809
7	12	+0.965 9737	2 0847		−0.209 6532	7 7117		−0.090 9349	3 3449	
8	0	0.968 0584	2 0119	−1611	0.201 9415	7 7270	−6489	0.087 5900	3 3514	−2822
8	12	0.970 0703	1 9389		0.194 2145	7 7417		0.084 2386	3 3578	
9	0	0.972 0092	1 8659	1488	0.186 4728	7 7559	6516	0.080 8808	3 3638	2833
9	12	0.973 8751	1 7927		0.178 7169	7 7695		0.077 5170	3 3698	
10	0	0.975 6678	1 7194	1365	0.170 9474	7 7827	6540	0.074 1472	3 3754	2844
10	12	+0.977 3872	1 6459		−0.163 1647	7 7951		−0.070 7718	3 3808	
11	0	0.979 0331	1 5724	−1241	0.155 3696	7 8069	−6563	0.067 3910	3 3860	−2854
11	12	0.980 6055	1 4987		0.147 5627	7 8185		0.064 0050	3 3910	
12	0	0.982 1042	1 4249	1116	0.139 7442	7 8293	6584	0.060 6140	3 3956	2863
12	12	0.983 5291	1 3510		0.131 9149	7 8395		0.057 2184	3 4001	
13	0	0.984 8801	1 2771	991	0.124 0754	7 8491	6602	0.053 8183	3 4042	2871
13	12	+0.986 1572	1 2029		−0.116 2263	7 8582		−0.050 4141	3 4081	
14	0	0.987 3601	1 1287	−866	0.108 3681	7 8666	−6619	0.047 0060	3 4118	−2878
14	12	0.988 4888	1 0544		0.100 5015	7 8746		0.043 5942	3 4152	
15	0	0.989 5432	9801	741	0.092 6269	7 8819	6634	0.040 1790	3 4184	2885
15	12	0.990 5233	9057		0.084 7450	7 8887		0.036 7606	3 4214	
16	0	0.991 4290	8312	615	0.076 8563	7 8947	6647	0.033 3392	3 4239	2890
16	12	+0.992 2602	7565		−0.068 9616	7 9002		−0.029 9153	3 4265	
17	0	0.993 0167	6818	−489	0.061 0614	7 9052	−6657	0.026 4888	3 4286	−2895
17	12	0.993 6985	6071		0.053 1562	7 9096		0.023 0602	3 4305	
18	0	0.994 3056	5322	363	0.045 2466	7 9131	6666	0.019 6297	3 4322	2899
18	12	0.994 8378	4574		0.037 3335	7 9163		0.016 1975	3 4335	
19	0	0.995 2952	3826	237	0.029 4172	7 9187	6672	0.012 7640	3 4346	2902
19	12	+0.995 6778	3076		−0.021 4985	7 9206		−0.009 3294	3 4355	
20	0	0.995 9854	2326	−111	0.013 5779	7 9216	−6677	0.005 8939	3 4359	−2904
20	12	0.996 2180	1577		−0.005 6563	7 9222		−0.002 4580	3 4363	
21	0	0.996 3757	827	+15	+0.002 2659	7 9221	6680	+0.000 9783	3 4363	2905
21	12	0.996 4584	78		0.010 1880	7 9215		0.004 4146	3 4360	
22	0	+0.996 4662	—	+141	+0.018 1095		−6680	+0.007 8506		−2905

Welt-Zeit		Mittleres Äquinoktium 1928.0								
		X		Red. auf 1925.0	*Y*		Red. auf 1925.0	*Z*		Red. auf 1925.0
1928	h									
März 22	0	+0.996 4662	671	+ 141	+0.018 1095	7 9199	−6680	+0.007 8506	3 4353	−2905
22	12	0.996 3991	1420		0.026 0294	7 9181		0.011 2859	3 4345	
23	0	0.996 2571	2169	268	0.033 9475	7 9152	6679	0.014 7204	3 4335	2905
23	12	0.996 0402	2916		0.041 8627	7 9119		0.018 1539	3 4320	
24	0	0.995 7486	3663	394	0.049 7746	7 9079	6675	0.021 5859	3 4304	2903
24	12	0.995 3823	4408		0.057 6825	7 9035		0.025 0163	3 4284	
25	0	+0.994 9415	5153	+ 520	+0.065 5860	7 8982	−6670	+0.028 4447	3 4261	−2901
25	12	0.994 4262	5897		0.073 4842	7 8923		0.031 8708	3 4236	
26	0	0.993 8365	6639	646	0.081 3765	7 8860	6663	0.035 2944	3 4208	2898
26	12	0.993 1726	7379		0.089 2625	7 8790		0.038 7152	3 4179	
27	0	0.992 4347	8119	771	0.097 1415	7 8713	6653	0.042 1331	3 4145	2893
27	12	0.991 6228	8857		0.105 0128	7 8631		0.045 5476	3 4110	
28	0	+0.990 7371	9594	+ 897	+0.112 8759	7 8543	−6642	+0.048 9586	3 4070	−2888
28	12	0.989 7777	1 0329		0.120 7302	7 8449		0.052 3656	3 4031	
29	0	0.988 7448	1 1062	1022	0.128 5751	7 8350	6628	0.055 7687	3 3987	2883
29	12	0.987 6386	1 1794		0.136 4101	7 8246		0.059 1674	3 3941	
30	0	0.986 4592	1 2524	1147	0.144 2347	7 8135	6613	0.062 5615	3 3893	2876
30	12	0.985 2068	1 3253		0.152 0482	7 8019		0.065 9508	3 3843	
31	0	+0.983 8815	1 3979	+1271	+0.159 8501	7 7898	−6596	+0.069 3351	3 3789	−2868
31	12	0.982 4836	1 4705		0.167 6399	7 7771		0.072 7140	3 3735	
April 1	0	0.981 0131	1 5429	1395	0.175 4170	7 7640	6577	0.076 0875	3 3677	2860
1	12	0.979 4702	1 6151		0.183 1810	7 7502		0.079 4552	3 3617	
2	0	0.977 8551	1 6871	1519	0.190 9312	7 7360	6556	0.082 8169	3 3554	2851
2	12	0.976 1680	1 7589		0.198 6672	7 7211		0.086 1723	3 3490	
3	0	+0.974 4091	1 8306	+1642	+0.206 3883	7 7058	−6533	+0.089 5213	3 3423	−2841
3	12	0.972 5785	1 9022		0.214 0941	7 6900		0.092 8636	3 3355	
4	0	0.970 6763	1 9735	1765	0.221 7841	7 6736	6508	0.096 1991	3 3283	2830
4	12	0.968 7028	2 0448		0.229 4577	7 6568		0.099 5274	3 3208	
5	0	0.966 6580	2 1158	1887	0.237 1145	7 6393	6481	0.102 8482	3 3133	2818
5	12	0.964 5422	2 1866		0.244 7538	7 6213		0.106 1615	3 3055	
6	0	+0.962 3556	2 2572	+2008	+0.252 3751	7 6029	−6452	+0.109 4670	3 2975	−2806
6	12	0.960 0984	2 3278		0.259 9780	7 5840		0.112 7645	3 2893	
7	0	0.957 7706	2 3980	2129	0.267 5620	7 5643	6422	0.116 0538	3 2807	2792
7	12	0.955 3726	2 4681		0.275 1263	7 5444		0.119 3345	3 2720	
8	0	0.952 9045	2 5381	2249	0.282 6707	7 5237	6389	0.122 6065	3 2631	2778
8	12	0.950 3664	2 6079		0.290 1944	7 5027		0.125 8696	3 2540	
9	0	+0.947 7585	2 6774	+2369	+0.297 6971	7 4811	−6354	+0.129 1236	3 2445	−2763
9	12	0.945 0811	2 7468		0.305 1782	7 4590		0.132 3681	3 2349	
10	0	0.942 3343	2 8159	2488	0.312 6372	7 4362	6318	0.135 6030	3 2251	2747
10	12	0.939 5184	2 8849		0.320 0734	7 4131		0.138 8281	3 2151	
11	0	0.936 6335	2 9537	+2606	0.327 4865	7 3894	−6279	0.142 0432	3 2049	−2731
11	12	+0.933 6798			+0.334 8759			+0.145 2481		

Mittleres Äquinoktium 1928.0

Welt-Zeit			X		Red. auf 1925.0	Y		Red. auf 1925.0	Z		Red. auf 1925.0
1928											
April	11	12h	+0.933 6798	3 0222		+0.334 8759	7 3652		+0.145 2481	3 1943	
	12	0	0.930 6576	3 0905	+2724	0.342 2411	7 3404	−6239	0.148 4424	3 1835	−2713
	12	12	0.927 5671	3 1587		0.349 5815	7 3151		0.151 6259	3 1726	
	13	0	0.924 4084	3 2266	2841	0.356 8966	7 2892	6198	0.154 7985	3 1615	2695
	13	12	0.921 1818	3 2943		0.364 1858	7 2629		0.157 9600	3 1501	
	14	0	0.917 8875	3 3618	2957	0.371 4487	7 2359	6154	0.161 1101	3 1383	2676
	14	12	+0.914 5257	3 4290		+0.378 6846	7 2085		+0.164 2484	3 1265	
	15	0	0.911 0967	3 4960	+3072	0.385 8931	7 1806	−6109	0.167 3749	3 1144	−2656
	15	12	0.907 6007	3 5628		0.393 0737	7 1520		0.170 4893	3 1021	
	16	0	0.904 0379	3 6291	3186	0.400 2257	7 1228	6061	0.173 5914	3 0895	2636
	16	12	0.900 4088	3 6955		0.407 3485	7 0933		0.176 6809	3 0767	
	17	0	0.896 7133	3 7615	3300	0.414 4418	7 0632	6012	0.179 7576	3 0636	2615
	17	12	+0.892 9518	3 8272		+0.421 5050	7 0324		+0.182 8212	3 0504	
	18	0	0.889 1246	3 8924	+3412	0.428 5374	7 0010	−5962	0.185 8716	3 0369	−2593
	18	12	0.885 2322	3 9575		0.435 5384	6 9693		0.188 9085	3 0230	
	19	0	0.881 2747	4 0223	3524	0.442 5077	6 9369	5909	0.191 9315	3 0091	2570
	19	12	0.877 2524	4 0867		0.449 4446	6 9040		0.194 9406	2 9948	
	20	0	0.873 1657	4 1508	3634	0.456 3486	6 8704	5855	0.197 9354	2 9802	2546
	20	12	+0.869 0149	4 2145		+0.463 2190	6 8364		+0.200 9156	2 9656	
	21	0	0.864 8004	4 2779	+3743	0.470 0554	6 8019	−5799	0.203 8812	2 9507	−2521
	21	12	0.860 5225	4 3407		0.476 8573	6 7669		0.206 8319	2 9355	
	22	0	0.856 1818	4 4033	3851	0.483 6242	6 7313	5741	0.209 7674	2 9201	2496
	22	12	0.851 7785	4 4657		0.490 3555	6 6953		0.212 6875	2 9044	
	23	0	0.847 3128	4 5273	3958	0.497 0508	6 6587	5681	0.215 5919	2 8885	2470
	23	12	+0.842 7855	4 5887		+0.503 7095	6 6217		+0.218 4804	2 8725	
	24	0	0.838 1968	4 6496	+4064	0.510 3312	6 5841	−5620	0.221 3529	2 8562	−2444
	24	12	0.833 5472	4 7101		0.516 9153	6 5462		0.224 2091	2 8397	
	25	0	0.828 8371	4 7701	4169	0.523 4615	6 5079	5557	0.227 0488	2 8231	2417
	25	12	0.824 0670	4 8299		0.529 9694	6 4690		0.229 8719	2 8062	
	26	0	0.819 2371	4 8892	4272	0.536 4384	6 4297	5493	0.232 6781	2 7891	2389
	26	12	+0.814 3479	4 9479		+0.542 8681	6 3901		+0.235 4672	2 7719	
	27	0	0.809 4000	5 0065	+4374	0.549 2582	6 3500	−5427	0.238 2391	2 7545	−2360
	27	12	0.804 3935	5 0645		0.555 6082	6 3094		0.240 9936	2 7368	
	28	0	0.799 3290	5 1220	4475	0.561 9176	6 2684	5360	0.243 7304	2 7191	2331
	28	12	0.794 2070	5 1792		0.568 1860	6 2271		0.246 4495	2 7011	
	29	0	0.789 0278	5 2359	4575	0.574 4131	6 1855	5291	0.249 1506	2 6829	2301
	29	12	+0.783 7919	5 2923		+0.580 5986	6 1433		+0.251 8335	2 6646	
	30	0	0.778 4996	5 3483	+4673	0.586 7419	6 1007	−5221	0.254 4981	2 6462	−2270
	30	12	0.773 1513	5 4038		0.592 8426	6 0579		0.257 1443	2 6275	
Mai	1	0	0.767 7475	5 4589	4770	0.598 9005	6 0146	5149	0.259 7718	2 6087	2239
	1	12	0.762 2886	5 5136		0.604 9151	5 9710		0.262 3805	2 5897	
	2	0	+0.756 7750		+4865	+0.610 8861		−5076	+0.264 9702		−2207

Welt-Zeit			Mittleres Äquinoktium 1928.0								
			X		Red. auf 1925.0	Y		Red. auf 1925.0	Z		Red. auf 1925.0
1928											
Mai	2	0h	+0.756 7750	5 5679	+4865	+0.610 8861	5 9269	−5076	+0.264 9702	2 5706	−2207
	2	12	0.751 2071	5 6217		0.616 8130	5 8825		0.267 5408	2 5513	
	3	0	0.745 5854	5 6752	4959	0.622 6955	5 8377	5001	0.270 0921	2 5318	2174
	3	12	0.739 9102	5 7282		0.628 5332	5 7924		0.272 6239	2 5122	
	4	0	0.734 1820	5 7809	5052	0.634 3256	5 7469	4924	0.275 1361	2 4924	2141
	4	12	0.728 4011	5 8331		0.640 0725	5 7010		0.277 6285	2 4725	
	5	0	+0.722 5680	5 8850	+5143	+0.645 7735	5 6547	−4846	+0.280 1010	2 4524	−2107
	5	12	0.716 6830	5 9364		0.651 4282	5 6081		0.282 5534	2 4322	
	6	0	0.710 7466	5 9874	5233	0.657 0363	5 5610	4767	0.284 9856	2 4117	2073
	6	12	0.704 7592	6 0379		0.662 5973	5 5137		0.287 3973	2 3912	
	7	0	0.698 7213	6 0881	5321	0.668 1110	5 4659	4686	0.289 7885	2 3705	2038
	7	12	0.692 6332	6 1378		0.673 5769	5 4176		0.292 1590	2 3495	
	8	0	+0.686 4954	6 1872	+5408	+0.678 9945	5 3692	−4604	+0.294 5085	2 3285	−2002
	8	12	0.680 3082	6 2360		0.684 3637	5 3204		0.296 8370	2 3074	
	9	0	0.674 0722	6 2844	5494	0.689 6841	5 2711	4521	0.299 1444	2 2860	1966
	9	12	0.667 7878	6 3325		0.694 9552	5 2216		0.301 4304	2 2646	
	10	0	0.661 4553	6 3801	5578	0.700 1768	5 1717	4437	0.303 6950	2 2429	1929
	10	12	0.655 0752	6 4273		0.705 3485	5 1213		0.305 9379	2 2211	
	11	0	+0.648 6479	6 4740	+5660	+0.710 4698	5 0706	−4351	+0.308 1590	2 1992	−1892
	11	12	0.642 1739	6 5203		0.715 5404	5 0196		0.310 3582	2 1771	
	12	0	0.635 6536	6 5660	5740	0.720 5600	4 9682	4264	0.312 5353	2 1548	1854
	12	12	0.629 0876	6 6115		0.725 5282	4 9165		0.314 6901	2 1323	
	13	0	0.622 4761	6 6565	5819	0.730 4447	4 8643	4175	0.316 8224	2 1098	1816
	13	12	0.615 8196	6 7010		0.735 3090	4 8118		0.318 9322	2 0871	
	14	0	+0.609 1186	6 7449	+5896	+0.740 1208	4 7589	−4085	+0.321 0193	2 0643	−1777
	14	12	0.602 3737	6 7886		0.744 8797	4 7057		0.323 0836	2 0411	
	15	0	0.595 5851	6 8317	5971	0.749 5854	4 6521	3994	0.325 1247	2 0179	1737
	15	12	0.588 7534	6 8742		0.754 2375	4 5981		0.327 1426	1 9946	
	16	0	0.581 8792	6 9162	6045	0.758 8356	4 5437	3903	0.329 1372	1 9711	1697
	16	12	0.574 9630	6 9578		0.763 3793	4 4891		0.331 1083	1 9474	
	17	0	+0.568 0052	6 9989	+6117	+0.767 8684	4 4340	−3810	+0.333 0557	1 9236	−1656
	17	12	0.561 0063	7 0393		0.772 3024	4 3787		0.334 9793	1 8995	
	18	0	0.553 9670	7 0793	6187	0.776 6811	4 3230	3715	0.336 8788	1 8754	1615
	18	12	0.546 8877	7 1188		0.781 0041	4 2669		0.338 7542	1 8511	
	19	0	0.539 7689	7 1575	6256	0.785 2710	4 2105	3620	0.340 6053	1 8267	1574
	19	12	0.532 6114	7 1958		0.789 4815	4 1537		0.342 4320	1 8021	
	20	0	+0.525 4156	7 2334	+6323	+0.793 6352	4 0967	−3524	+0.344 2341	1 7773	−1532
	20	12	0.518 1822	7 2705		0.797 7319	4 0394		0.346 0114	1 7524	
	21	0	0.510 9117	7 3071	6387	0.801 7713	3 9818	3427	0.347 7638	1 7274	1490
	21	12	0.503 6046	7 3430		0.805 7531	3 9239		0.349 4912	1 7024	
	22	0	0.496 2616	7 3783	+6450	0.809 6770	3 8658	−3329	0.351 1936	1 6771	−1447
	22	12	+0.488 8833			+0.813 5428			+0.352 8707		

Welt-Zeit		Mittleres Äquinoktium 1928.0								
		X		Red. auf 1925.0	*Y*		Red. auf 1925.0	*Z*		Red. auf 1925.0
1928 Mai 22	12h	+0.488 8833	7 4131		+0.813 5428	3 8075		+0.352 8707	1 6518	
23	0	0.481 4702	7 4472	+6512	0.817 3503	3 7489	−3230	0.354 5225	1 6264	−1404
23	12	0.474 0230	7 4808		0.821 0992	3 6901		0.356 1489	1 6008	
24	0	0.466 5422	7 5138	6571	0.824 7893	3 6310	3130	0.357 7497	1 5752	1361
24	12	0.459 0284	7 5462		0.828 4203	3 5718		0.359 3249	1 5495	
25	0	0.451 4822	7 5779	6628	0.831 9921	3 5124	3029	0.360 8744	1 5236	1317
25	12	+0.443 9043	7 6092		+0.835 5045	3 4527		+0.362 3980	1 4977	
26	0	0.436 2951	7 6399	+6684	0.838 9572	3 3928	−2928	0.363 8957	1 4718	−1273
26	12	0.428 6552	7 6700		0.842 3500	3 3328		0.365 3675	1 4456	
27	0	0.420 9852	7 6995	6737	0.845 6828	3 2727	2825	0.366 8131	1 4195	1228
27	12	0.413 2857	7 7285		0.848 9555	3 2122		0.368 2326	1 3932	
28	0	0.405 5572	7 7569	6789	0.852 1677	3 1516	2722	0.369 6258	1 3669	1183
28	12	+0.397 8003	7 7849		+0.855 3193	3 0909		+0.370 9927	1 3406	
29	0	0.390 0154	7 8121	+6839	0.858 4102	3 0301	−2617	0.372 3333	1 3141	−1138
29	12	0.382 2033	7 8389		0.861 4403	2 9690		0.373 6474	1 2876	
30	0	0.374 3644	7 8652	6887	0.864 4093	2 9077	2512	0.374 9350	1 2609	1092
30	12	0.366 4992	7 8909		0.867 3170	2 8463		0.376 1959	1 2343	
31	0	0.358 6083	7 9159	6933	0.870 1633	2 7848	2407	0.377 4302	1 2076	1046
31	12	+0.350 6924	7 9406		+0.872 9481	2 7231		+0.378 6378	1 1809	
Juni 1	0	0.342 7518	7 9646	+6977	0.875 6712	2 6612	−2301	0.379 8187	1 1540	−1000
1	12	0.334 7872	7 9880		0.878 3324	2 5991		0.380 9727	1 1271	
2	0	0.326 7992	8 0109	7019	0.880 9315	2 5370	2194	0.382 0998	1 1000	954
2	12	0.318 7883	8 0335		0.883 4685	2 4747		0.383 1998	1 0731	
3	0	0.310 7548	8 0554	7059	0.885 9432	2 4122	2086	0.384 2729	1 0460	907
3	12	+0.302 6994	8 0767		+0.888 3554	2 3497		+0.385 3189	1 0188	
4	0	0.294 6227	8 0974	+7097	0.890 7051	2 2869	−1978	0.386 3377	9915	− 860
4	12	0.286 5253	8 1176		0.892 9920	2 2239		0.387 3292	9643	
5	0	0.278 4077	8 1374	7133	0.895 2159	2 1609	1869	0.388 2935	9370	812
5	12	0.270 2703	8 1566		0.897 3768	2 0978		0.389 2305	9096	
6	0	0.262 1137	8 1752	7167	0.899 4746	2 0344	1760	0.390 1401	8821	765
6	12	+0.253 9385	8 1933		+0.901 5090	1 9710		+0.391 0222	8546	
7	0	0.245 7452	8 2108	+7199	0.903 4800	1 9073	−1650	0.391 8768	8271	− 717
7	12	0.237 5344	8 2278		0.905 3873	1 8436		0.392 7039	7995	
8	0	0.229 3066	8 2443	7229	0.907 2309	1 7797	1540	0.393 5034	7718	669
8	12	0.221 0623	8 2602		0.909 0106	1 7156		0.394 2752	7441	
9	0	0.212 8021	8 2756	7257	0.910 7262	1 6515	1429	0.395 0193	7163	621
9	12	+0.204 5265	8 2903		+0.912 3777	1 5873		+0.395 7356	6884	
10	0	0.196 2362	8 3046	+7282	0.913 9650	1 5229	−1318	0.396 4240	6605	− 573
10	12	0.187 9316	8 3183		0.915 4879	1 4583		0.397 0845	6326	
11	0	0.179 6133	8 3313	7306	0.916 9462	1 3935	1207	0.397 7171	6046	524
11	12	0.171 2820	8 3439		0.918 3397	1 3287		0.398 3217	5764	
12	0	+0.162 9381		+7327	+0.919 6684		−1095	+0.398 8981		− 476

Welt-Zeit		Mittleres Äquinoktium 1928.0								
		X		Red. auf 1925.0	*Y*		Red. auf 1925.0	*Z*		Red. auf 1925.0
1928	h									
Juni 12	0	+0.162 9381	8 3559	+7327	+0.919 6684	1 2638	−1095	+0.398 8981	5484	−476
12	12	0.154 5822	8 3672		0.920 9322	1 1987		0.399 4465	5202	
13	0	0.146 2150	8 3780	7347	0.922 1309	1 1334	983	0.399 9667	4919	427
13	12	0.137 8370	8 3881		0.923 2643	1 0681		0.400 4586	4636	
14	0	0.129 4489	8 3977	7364	0.924 3324	1 0026	871	0.400 9222	4352	378
14	12	0.121 0512	8 4065		0.925 3350	9371		0.401 3574	4069	
15	0	+0.112 6447	8 4148	+7380	+0.926 2721	8714	− 758	+0.401 7643	3783	−329
15	12	0.104 2299	8 4224		0.927 1435	8057		0.402 1426	3498	
16	0	0.095 8075	8 4295	7393	0.927 9492	7398	645	0.402 4924	3213	280
16	12	0.087 3780	8 4358		0.928 6890	6740		0.402 8137	2928	
17	0	0.078 9422	8 4415	7405	0.929 3630	6081	532	0.403 1065	2641	231
17	12	0.070 5007	8 4465		0.929 9711	5421		0.403 3706	2354	
18	0	+0.062 0542	8 4510	+7414	+0.930 5132	4760	− 418	+0.403 6060	2068	−182
18	12	0.053 6032	8 4547		0.930 9892	4100		0.403 8128	1782	
19	0	0.045 1485	8 4578	7421	0.931 3992	3439	305	0.403 9910	1495	133
19	12	0.036 6907	8 4602		0.931 7431	2779		0.404 1405	1209	
20	0	0.028 2305	8 4620	7426	0.932 0210	2118	191	0.404 2614	921	83
20	12	0.019 7685	8 4631		0.932 2328	1458		0.404 3535	634	
21	0	+0.011 3054	8 4636	+7429	+0.932 3786	799	− 78	+0.404 4169	348	− 34
21	12	+0.002 8418	8 4635		0.932 4585	140		0.404 4517	62	
22	0	−0.005 6217	8 4628	7430	0.932 4725	520	+ 36	0.404 4579	224	+ 16
22	12	0.014 0845	8 4614		0.932 4205	1178		0.404 4355	510	
23	0	0.022 5459	8 4595	7429	0.932 3027	1837	149	0.404 3845	796	65
23	12	0.031 0054	8 4568		0.932 1190	2494		0.404 3049	1082	
24	0	−0.039 4622	8 4537	+7426	+0.931 8696	3151	+ 262	+0.404 1967	1368	+114
24	12	0.047 9159	8 4499		0.931 5545	3806		0.404 0599	1652	
25	0	0.056 3658	8 4455	7420	0.931 1739	4461	375	0.403 8947	1936	163
25	12	0.064 8113	8 4406		0.930 7278	5116		0.403 7011	2220	
26	0	0.073 2519	8 4350	7413	0.930 2162	5770	489	0.403 4791	2505	212
26	12	0.081 6869	8 4290		0.929 6392	6423		0.403 2286	2789	
27	0	−0.090 1159	8 4223	+7403	+0.928 9969	7076	+ 602	+0.402 9497	3072	+261
27	12	0.098 5382	8 4151		0.928 2893	7727		0.402 6425	3354	
28	0	0.106 9533	8 4073	7391	0.927 5166	8378	715	0.402 3071	3637	310
28	12	0.115 3606	8 3989		0.926 6788	9028		0.401 9434	3919	
29	0	0.123 7595	8 3899	7377	0.925 7760	9677	827	0.401 5515	4200	359
29	12	0.132 1494	8 3804		0.924 8083	1 0325		0.401 1315	4482	
30	0	−0.140 5298	8 3704	+7361	+0.923 7758	1 0972	+ 940	+0.400 6833	4762	+408
30	12	0.148 9002	8 3598		0.922 6786	1 1619		0.400 2071	5043	
Juli 1	0	0.157 2600	8 3486	7343	0.921 5167	1 2264	1052	0.399 7028	5323	457
1	12	0.165 6086	8 3369		0.920 2903	1 2909		0.399 1705	5602	
2	0	0.173 9455	8 3246	+7323	0.918 9994	1 3551	+1163	0.398 6103	5881	+506
2	12	−0.182 2701			+0.917 6443			+0.398 0222		

Welt-Zeit		Mittleres Äquinoktium 1928.0 X		Red. auf 1925.0	Y		Red. auf 1925.0	Z		Red. auf 1925.0
1928 Juli 2	12h	−0.182 2701	8 3119		+0.917 6443	1 4195		+0.398 0222	6159	
3	0	0.190 5820	8 2984	+7301	0.916 2248	1 4836	+1275	0.397 4063	6438	+ 555
3	12	0.198 8804	8 2845		0.914 7412	1 5476		0.396 7625	6716	
4	0	0.207 1649	8 2702	7277	0.913 1936	1 6116	1386	0.396 0909	6993	603
4	12	0.215 4351	8 2552		0.911 5820	1 6755		0.395 3916	7269	
5	0	0.223 6903	8 2396	7251	0.909 9065	1 7392	1497	0.394 6647	7546	651
5	12	−0.231 9299	8 2236		+0.908 1673	1 8029		+0.393 9101	7821	
6	0	0.240 1535	8 2069	+7222	0.906 3644	1 8664	+1607	0.393 1280	8096	+ 699
6	12	0.248 3604	8 1898		0.904 4980	1 9299		0.392 3184	8371	
7	0	0.256 5502	8 1720	7192	0.902 5681	1 9932	1717	0.391 4813	8646	747
7	12	0.264 7222	8 1539		0.900 5749	2 0565		0.390 6167	8919	
8	0	0.272 8761	8 1351	7160	0.898 5184	2 1197	1827	0.389 7248	9193	795
8	12	−0.281 0112	8 1157		+0.896 3987	2 1827		+0.388 8055	9467	
9	0	0.289 1269	8 0958	+7126	0.894 2160	2 2457	+1936	0.387 8588	9739	+ 842
9	12	0.297 2227	8 0752		0.891 9703	2 3085		0.386 8849	1 0011	
10	0	0.305 2979	8 0542	7090	0.889 6618	2 3712	2044	0.385 8838	1 0283	889
10	12	0.313 3521	8 0326		0.887 2906	2 4338		0.384 8555	1 0554	
11	0	0.321 3847	8 0102	7051	0.884 8568	2 4963	2152	0.383 8001	1 0824	936
11	12	−0.329 3949	7 9875		+0.882 3605	2 5587		+0.382 7177	1 1095	
12	0	0.337 3824	7 9641	+7011	0.879 8018	2 6210	+2259	0.381 6082	1 1364	+ 983
12	12	0.345 3465	7 9401		0.877 1808	2 6829		0.380 4718	1 1634	
13	0	0.353 2866	7 9154	6969	0.874 4979	2 7448	2366	0.379 3084	1 1902	1029
13	12	0.361 2020	7 8903		0.871 7531	2 8066		0.378 1182	1 2170	
14	0	0.369 0923	7 8644	6925	0.868 9465	2 8682	2472	0.376 9012	1 2437	1075
14	12	−0.376 9567	7 8381		+0.866 0783	2 9296		+0.375 6575	1 2703	
15	0	0.384 7948	7 8110	+6879	0.863 1487	2 9908	+2577	0.374 3872	1 2968	+1121
15	12	0.392 6058	7 7833		0.860 1579	3 0518		0.373 0904	1 3233	
16	0	0.400 3891	7 7551	6831	0.857 1061	3 1126	2682	0.371 7671	1 3498	1166
16	12	0.408 1442	7 7262		0.853 9935	3 1731		0.370 4173	1 3761	
17	0	0.415 8704	7 6967	6781	0.850 8204	3 2334	2786	0.369 0412	1 4022	1211
17	12	−0.423 5671	7 6666		+0.847 5870	3 2935		+0.367 6390	1 4282	
18	0	0.431 2337	7 6360	+6729	0.844 2935	3 3534	+2889	0.366 2108	1 4543	+1256
18	12	0.438 8697	7 6048		0.840 9401	3 4129		0.364 7565	1 4802	
19	0	0.446 4745	7 5730	6675	0.837 5272	3 4722	2991	0.363 2763	1 5059	1300
19	12	0.454 0475	7 5406		0.834 0550	3 5312		0.361 7704	1 5316	
20	0	0.461 5881	7 5076	6620	0.830 5238	3 5899	3092	0.360 2388	1 5570	1344
20	12	−0.469 0957	7 4742		+0.826 9339	3 6483		+0.358 6818	1 5825	
21	0	0.476 5699	7 4403	+6562	0.823 2856	3 7064	+3193	0.357 0993	1 6077	+1388
21	12	0.484 0102	7 4057		0.819 5792	3 7642		0.355 4916	1 6328	
22	0	0.491 4159	7 3706	6503	0.815 8150	3 8218	3292	0.353 8588	1 6577	1431
22	12	0.498 7865	7 3351		0.811 9932	3 8791		0.352 2011	1 6827	
23	0	−0.506 1216		+6441	+0.808 1141		+3391	+0.350 5184		+1474

Welt-Zeit		Mittleres Äquinoktium 1928.0								
		X		Red. auf 1925.0	*Y*		Red. auf 1925.0	*Z*		Red. auf 1925.0
1928										
Juli 23	0h	−0.506 1216	7 2989	+6441	+0.808 1141	3 9359	+3391	+0.350 5184	1 7073	+1474
23	12	0.513 4205	7 2624		0.804 1782	3 9926		0.348 8111	1 7320	
24	0	0.520 6829	7 2252	6378	0.800 1856	4 0489	3489	0.347 0791	1 7565	1516
24	12	0.527 9081	7 1877		0.796 1367	4 1049		0.345 3226	1 7808	
25	0	0.535 0958	7 1496	6313	0.792 0318	4 1605	3585	0.343 5418	1 8049	1558
25	12	0.542 2454	7 1111		0.787 8713	4 2161		0.341 7369	1 8290	
26	0	−0.549 3565	7 0720	+6246	+0.783 6552	4 2711	+3681	+0.339 9079	1 8528	+1600
26	12	0.556 4285	7 0325		0.779 3841	4 3259		0.338 0551	1 8766	
27	0	0.563 4610	6 9925	6177	0.775 0582	4 3804	3775	0.336 1785	1 9002	1641
27	12	0.570 4535	6 9520		0.770 6778	4 4345		0.334 2783	1 9238	
28	0	0.577 4055	6 9111	6107	0.766 2433	4 4882	3869	0.332 3545	1 9471	1682
28	12	0.584 3166	6 8698		0.761 7551	4 5418		0.330 4074	1 9703	
29	0	−0.591 1864	6 8280	+6035	+0.757 2133	4 5951	+3961	+0.328 4371	1 9934	+1722
29	12	0.598 0144	6 7856		0.752 6182	4 6479		0.326 4437	2 0163	
30	0	0.604 8000	6 7428	5961	0.747 9703	4 7003	4053	0.324 4274	2 0391	1762
30	12	0.611 5428	6 6997		0.743 2700	4 7527		0.322 3883	2 0617	
31	0	0.618 2425	6 6561	5886	0.738 5173	4 8046	4143	0.320 3266	2 0841	1801
31	12	0.624 8986	6 6120		0.733 7127	4 8562		0.318 2425	2 1065	
Aug. 1	0	−0.631 5106	6 5676	+5809	+0.728 8565	4 9074	+4231	+0.316 1360	2 1289	+1840
1	12	0.638 0782	6 5227		0.723 9491	4 9585		0.314 0071	2 1508	
2	0	0.644 6009	6 4772	5731	0.718 9906	5 0091	4319	0.311 8563	2 1727	1878
2	12	0.651 0781	6 4315		0.713 9815	5 0594		0.309 6836	2 1946	
3	0	0.657 5096	6 3853	5651	0.708 9221	5 1093	4406	0.307 4890	2 2162	1916
3	12	0.663 8949	6 3387		0.703 8128	5 1592		0.305 2728	2 2377	
4	0	−0.670 2336	6 2915	+5569	+0.698 6536	5 2085	+4491	+0.303 0351	2 2591	+1953
4	12	0.676 5251	6 2439		0.693 4451	5 2576		0.300 7760	2 2804	
5	0	0.682 7690	6 1960	5486	0.688 1875	5 3063	4575	0.298 4956	2 3015	1990
5	12	0.688 9650	6 1476		0.682 8812	5 3548		0.296 1941	2 3224	
6	0	0.695 1126	6 0988	5401	0.677 5264	5 4029	4658	0.293 8717	2 3432	2026
6	12	0.701 2114	6 0495		0.672 1235	5 4508		0.291 5285	2 3640	
7	0	−0.707 2609	5 9996	+5314	+0.666 6727	5 4980	+4740	+0.289 1645	2 3845	+2061
7	12	0.713 2605	5 9494		0.661 1747	5 5453		0.286 7800	2 4049	
8	0	0.719 2099	5 8987	5226	0.655 6294	5 5921	4820	0.284 3751	2 4252	2096
8	12	0.725 1086	5 8476		0.650 0373	5 6385		0.281 9499	2 4453	
9	0	0.730 9562	5 7960	5137	0.644 3988	5 6845	4899	0.279 5046	2 4652	2130
9	12	0.736 7522	5 7438		0.638 7143	5 7303		0.277 0394	2 4851	
10	0	−0.742 4960	5 6912	+5046	+0.632 9840	5 7756	+4976	+0.274 5543	2 5048	+2164
10	12	0.748 1872	5 6382		0.627 2084	5 8206		0.272 0495	2 5242	
11	0	0.753 8254	5 5848	4954	0.621 3878	5 8651	5052	0.269 5253	2 5436	2197
11	12	0.759 4102	5 5309		0.615 5227	5 9093		0.266 9817	2 5628	
12	0	0.764 9411	5 4764	+4860	0.609 6134	5 9530	+5127	0.264 4189	2 5818	+2229
12	12	−0.770 4175			+0.603 6604			+0.261 8371		

Welt-Zeit		Mittleres Äquinoktium 1928.0								
		X		Red. auf 1925.0	*Y*		Red. auf 1925.0	*Z*		Red. auf 1925.0
1928	h									
Aug. 12	12	−0.770 4175	5 4215		+0.603 6604	5 9964		+0.261 8371	2 6006	
13	0	0.775 8390	5 3663	+4765	0.597 6640	6 0393	+5200	0.259 2365	2 6192	+2261
13	12	0.781 2053	5 3105		0.591 6247	6 0817		0.256 6173	2 6377	
14	0	0.786 5158	5 2542	4668	0.585 5430	6 1237	5271	0.253 9796	2 6559	2293
14	12	0.791 7700	5 1976		0.579 4193	6 1653		0.251 3237	2 6740	
15	0	0.796 9676	5 1405	4570	0.573 2540	6 2064	5341	0.248 6497	2 6919	2323
15	12	−0.802 1081	5 0831		+0.567 0476	6 2471		+0.245 9578	2 7096	
16	0	0.807 1912	5 0252	+4471	0.560 8005	6 2872	+5410	0.243 2482	2 7270	+2353
16	12	0.812 2164	4 9669		0.554 5133	6 3269		0.240 5212	2 7443	
17	0	0.817 1833	4 9083	4370	0.548 1864	6 3660	5477	0.237 7769	2 7612	2382
17	12	0.822 0916	4 8492		0.541 8204	6 4048		0.235 0157	2 7781	
18	0	0.826 9408	4 7898	4268	0.535 4156	6 4430	5542	0.232 2376	2 7947	2410
18	12	−0.831 7306	4 7300		+0.528 9726	6 4808		+0.229 4429	2 8112	
19	0	0.836 4606	4 6699	+4166	0.522 4918	6 5179	+5606	0.226 6317	2 8273	+2438
19	12	0.841 1305	4 6095		0.515 9739	6 5548		0.223 8044	2 8432	
20	0	0.845 7400	4 5486	4062	0.509 4191	6 5909	5668	0.220 9612	2 8590	2465
20	12	0.850 2886	4 4876		0.502 8282	6 6268		0.218 1022	2 8746	
21	0	0.854 7762	4 4262	3956	0.496 2014	6 6619	5729	0.215 2276	2 8899	2491
21	12	−0.859 2024	4 3644		+0.489 5395	6 6968		+0.212 3377	2 9050	
22	0	0.863 5668	4 3025	+3850	0.482 8427	6 7311	+5788	0.209 4327	2 9199	+2517
22	12	0.867 8693	4 2401		0.476 1116	6 7649		0.206 5128	2 9345	
23	0	0.872 1094	4 1775	3743	0.469 3467	6 7981	5845	0.203 5783	2 9490	2542
23	12	0.876 2869	4 1146		0.462 5486	6 8311		0.200 6293	2 9633	
24	0	0.880 4015	4 0514	3634	0.455 7175	6 8633	5900	0.197 6660	2 9772	2566
24	12	−0.884 4529	3 9879		+0.448 8542	6 8952		+0.194 6888	2 9911	
25	0	0.888 4408	3 9241	+3525	0.441 9590	6 9265	+5954	0.191 6977	3 0046	+2590
25	12	0.892 3649	3 8603		0.435 0325	6 9573		0.188 6931	3 0180	
26	0	0.896 2252	3 7959	3414	0.428 0752	6 9877	6006	0.185 6751	3 0311	2612
26	12	0.900 0211	3 7314		0.421 0875	7 0177		0.182 6440	3 0441	
27	0	0.903 7525	3 6666	3302	0.414 0698	7 0470	6057	0.179 5999	3 0568	2634
27	12	−0.907 4191	3 6016		+0.407 0228	7 0759		+0.176 5431	3 0694	
28	0	0.911 0207	3 5364	+3190	0.399 9469	7 1042	+6106	0.173 4737	3 0816	+2655
28	12	0.914 5571	3 4709		0.392 8427	7 1322		0.170 3921	3 0937	
29	0	0.918 0280	3 4052	3076	0.385 7105	7 1596	6153	0.167 2984	3 1056	2676
29	12	0.921 4332	3 3392		0.378 5509	7 1866		0.164 1928	3 1172	
30	0	0.924 7724	3 2731	2962	0.371 3643	7 2130	6198	0.161 0756	3 1287	2696
30	12	−0.928 0455	3 2067		+0.364 1513	7 2391		+0.157 9469	3 1399	
31	0	0.931 2522	3 1400	+2846	0.356 9122	7 2646	+6242	0.154 8070	3 1510	+2715
31	12	0.934 3922	3 0732		0.349 6476	7 2898		0.151 6560	3 1618	
Sept. 1	0	0.937 4654	3 0061	2730	0.342 3578	7 3143	6284	0.148 4942	3 1723	2733
1	12	0.940 4715	2 9388		0.335 0435	7 3385		0.145 3219	3 1829	
2	0	−0.943 4103		+2613	+0.327 7050		+6324	+0.142 1390		+2750

Welt-Zeit		Mittleres Äquinoktium 1928.0								
		X		Red. auf 1925.0	Y		Red. auf 1925.0	Z		Red. auf 1925.0
1928										
Sept. 2	0h	−0.943 4103	2 8713	+2613	+0.327 7050	7 3620	+6324	+0.142 1390	3 1930	+2750
2	12	0.946 2816	2 8034		0.320 3430	7 3853		0.138 9460	3 2031	
3	0	0.949 0850	2 7354	2496	0.312 9577	7 4080	6362	0.135 7429	3 2129	2767
3	12	0.951 8204	2 6672		0.305 5497	7 4302		0.132 5300	3 2226	
4	0	0.954 4876	2 5987	2378	0.298 1195	7 4519	6398	0.129 3074	3 2319	2783
4	12	0.957 0863	2 5299		0.290 6676	7 4733		0.126 0755	3 2411	
5	0	−0.959 6162	2 4609	+2259	+0.283 1943	7 4940	+6432	+0.122 8344	3 2501	+2798
5	12	0.962 0771	2 3917		0.275 7003	7 5142		0.119 5843	3 2589	
6	0	0.964 4688	2 3222	2139	0.268 1861	7 5339	6465	0.116 3254	3 2674	2812
6	12	0.966 7910	2 2525		0.260 6522	7 5532		0.113 0580	3 2758	
7	0	0.969 0435	2 1824	2019	0.253 0990	7 5719	6496	0.109 7822	3 2839	2825
7	12	0.971 2259	2 1123		0.245 5271	7 5900		0.106 4983	3 2918	
8	0	−0.973 3382	2 0418	+1898	+0.237 9371	7 6076	+6524	+0.103 2065	3 2995	+2838
8	12	0.975 3800	1 9712		0.230 3295	7 6247		0.099 9070	3 3069	
9	0	0.977 3512	1 9003	1777	0.222 7048	7 6413	6551	0.096 6001	3 3140	2849
9	12	0.979 2515	1 8292		0.215 0635	7 6572		0.093 2861	3 3211	
10	0	0.981 0807	1 7579	1655	0.207 4063	7 6725	6577	0.089 9650	3 3277	2860
10	12	0.982 8386	1 6864		0.199 7338	7 6873		0.086 6373	3 3342	
11	0	−0.984 5250	1 6146	+1533	+0.192 0465	7 7016	+6600	+0.083 3031	3 3403	+2870
11	12	0.986 1396	1 5428		0.184 3449	7 7152		0.079 9628	3 3464	
12	0	0.987 6824	1 4707	1410	0.176 6297	7 7283	6621	0.076 6164	3 3521	2879
12	12	0.989 1531	1 3985		0.168 9014	7 7408		0.073 2643	3 3574	
13	0	0.990 5516	1 3263	1287	0.161 1606	7 7525	6640	0.069 9069	3 3626	2888
13	12	0.991 8779	1 2537		0.153 4081	7 7638		0.066 5443	3 3676	
14	0	−0.993 1316	1 1810	+1163	+0.145 6443	7 7744	+6658	+0.063 1767	3 3722	+2895
14	12	0.994 3126	1 1083		0.137 8699	7 7845		0.059 8045	3 3766	
15	0	0.995 4209	1 0355	1039	0.130 0854	7 7939	6673	0.056 4279	3 3808	2902
15	12	0.996 4564	9626		0.122 2915	7 8028		0.053 0471	3 3846	
16	0	0.997 4190	8895	915	0.114 4887	7 8109	6686	0.049 6625	3 3881	2908
16	12	0.998 3085	8164		0.106 6778	7 8186		0.046 2744	3 3915	
17	0	−0.999 1249	7432	+ 790	+0.098 8592	7 8255	+6698	+0.042 8829	3 3946	+2913
17	12	0.999 8681	6702		0.091 0337	7 8321		0.039 4883	3 3974	
18	0	1.000 5383	5967	666	0.083 2016	7 8379	6707	0.036 0909	3 4000	2917
18	12	1.001 1350	5235		0.075 3637	7 8432		0.032 6909	3 4022	
19	0	1.001 6585	4500	541	0.067 5205	7 8478	6715	0.029 2887	3 4043	2920
19	12	1.002 1085	3767		0.059 6727	7 8519		0.025 8844	3 4061	
20	0	−1.002 4852	3032	+ 415	+0.051 8208	7 8554	+6720	+0.022 4783	3 4076	+2922
20	12	1.002 7884	2298		0.043 9654	7 8583		0.019 0707	3 4087	
21	0	1.003 0182	1564	290	0.036 1071	7 8605	6724	0.015 6620	3 4098	2924
21	12	1.003 1746	829		0.028 2466	7 8624		0.012 2522	3 4105	
22	0	1.003 2575	94	+ 165	0.020 3842	7 8635	+6726	0.008 8417	3 4110	+2925
22	12	−1.003 2669	—		+0.012 5207			+0.005 4307		

Welt-Zeit		Mittleres Äquinoktium 1928.0								
		X		Red. auf 1925.0	*Y*		Red. auf 1925.0	*Z*		Red. auf 1925.0
1928 Sept. 22	12h	−1.003 2669	640		+0.012 5207	7 8641		+0.005 4307	3 4113	
23	0	1.003 2029	1375	+ 40	+0.004 6566	7 8641	+6725	+0.002 0194	3 4112	+2924
23	12	1.003 0654	2109		−0.003 2075	7 8635		−0.001 3918	3 4110	
24	0	1.002 8545	2843	− 86	0.011 0710	7 8622	6723	0.004 8028	3 4105	2923
24	12	1.002 5702	3576		0.018 9332	7 8607		0.008 2133	3 4097	
25	0	1.002 2126	4310	211	0.026 7939	7 8585	6718	0.011 6230	3 4086	2922
25	12	−1.001 7816	5043		−0.034 6524	7 8556		−0.015 0316	3 4074	
26	0	1.001 2773	5775	− 336	0.042 5080	7 8523	+6712	0.018 4390	3 4059	+2919
26	12	1.000 6998	6508		0.050 3603	7 8483		0.021 8449	3 4042	
27	0	1.000 0490	7239	461	0.058 2086	7 8438	6704	0.025 2491	3 4022	2915
27	12	0.999 3251	7970		0.066 0524	7 8390		0.028 6513	3 4000	
28	0	0.998 5281	8700	586	0.073 8914	7 8333	6693	0.032 0513	3 3976	2911
28	12	−0.997 6581	9431		−0.081 7247	7 8273		−0.035 4489	3 3949	
29	0	0.996 7150	1 0161	− 710	0.089 5520	7 8207	+6681	0.038 8438	3 3920	+2906
29	12	0.995 6989	1 0889		0.097 3727	7 8136		0.042 2358	3 3888	
30	0	0.994 6100	1 1617	835	0.105 1863	7 8058	6668	0.045 6246	3 3855	2900
30	12	0.993 4483	1 2346		0.112 9921	7 7978		0.049 0101	3 3820	
Okt. 1	0	0.992 2137	1 3075	960	0.120 7899	7 7890	6652	0.052 3921	3 3781	2893
1	12	−0.990 9062	1 3803		−0.128 5789	7 7798		−0.055 7702	3 3741	
2	0	0.989 5259	1 4529	−1084	0.136 3587	7 7700	+6634	0.059 1443	3 3699	+2885
2	12	0.988 0730	1 5257		0.144 1287	7 7597		0.062 5142	3 3653	
3	0	0.986 5473	1 5983	1207	0.151 8884	7 7488	6614	0.065 8795	3 3606	2876
3	12	0.984 9490	1 6709		0.159 6372	7 7373		0.069 2401	3 3557	
4	0	0.983 2781	1 7434	1331	0.167 3745	7 7255	6593	0.072 5958	3 3505	2867
4	12	−0.981 5347	1 8160		−0.175 1000	7 7128		−0.075 9463	3 3450	
5	0	0.979 7187	1 8885	−1454	0.182 8128	7 6997	+6569	0.079 2913	3 3394	+2856
5	12	0.977 8302	1 9610		0.190 5125	7 6860		0.082 6307	3 3335	
6	0	0.975 8692	2 0333	1577	0.198 1985	7 6717	6543	0.085 9642	3 3272	2845
6	12	0.973 8359	2 1057		0.205 8702	7 6569		0.089 2914	3 3208	
7	0	0.971 7302	2 1778	1699	0.213 5271	7 6413	6515	0.092 6122	3 3142	2833
7	12	−0.969 5524	2 2500		−0.221 1684	7 6252		−0.095 9264	3 3073	
8	0	0.967 3024	2 3220	−1820	0.228 7936	7 6087	+6486	0.099 2337	3 3001	+2820
8	12	0.964 9804	2 3939		0.236 4023	7 5913		0.102 5338	3 2926	
9	0	0.962 5865	2 4657	1941	0.243 9936	7 5734	6454	0.105 8264	3 2848	2807
9	12	0.960 1208	2 5375		0.251 5670	7 5549		0.109 1112	3 2768	
10	0	0.957 5833	2 6091	2062	0.259 1219	7 5359	6421	0.112 3880	3 2686	2792
10	12	−0.954 9742	2 6804		−0.266 6578	7 5161		−0.115 6566	3 2602	
11	0	0.952 2938	2 7516	−2182	0.274 1739	7 4957	+6385	0.118 9168	3 2513	+2777
11	12	0.949 5422	2 8227		0.281 6696	7 4748		0.122 1681	3 2423	
12	0	0.946 7195	2 8936	2301	0.289 1444	7 4533	6348	0.125 4104	3 2331	2761
12	12	0.943 8259	2 9644		0.296 5977	7 4311		0.128 6435	3 2234	
13	0	−0.940 8615		−2419	−0.304 0288		+6309	−0.131 8669		+2743

Welt-Zeit		Mittleres Äquinoktium 1928.0								
		X		Red. auf 1925.0	*Y*		Red. auf 1925.0	*Z*		Red. auf 1925.0
1928										
Okt. 13	0h	−0.940 8615	3 0348	−2419	−0.304 0288	7 4084	+6309	−0.131 8669	3 2136	+2743
13	12	0.937 8267	3 1052		0.311 4372	7 3850		0.135 0805	3 2035	
14	0	0.934 7215	3 1752	2537	0.318 8222	7 3612	6267	0.138 2840	3 1930	2725
14	12	0.931 5463	3 2451		0.326 1834	7 3366		0.141 4770	3 1825	
15	0	0.928 3012	3 3146	2654	0.333 5200	7 3115	6224	0.144 6595	3 1717	2707
15	12	0.924 9866	3 3841		0.340 8315	7 2858		0.147 8312	3 1605	
16	0	−0.921 6025	3 4531	−2771	−0.348 1173	7 2596	+6179	−0.150 9917	3 1491	+2687
16	12	0.918 1494	3 5220		0.355 3769	7 2327		0.154 1408	3 1374	
17	0	0.914 6274	3 5906	2886	0.362 6096	7 2053	6132	0.157 2782	3 1256	2667
17	12	0.911 0368	3 6589		0.369 8149	7 1772		0.160 4038	3 1134	
18	0	0.907 3779	3 7269	3001	0.376 9921	7 1487	6084	0.163 5172	3 1010	2646
18	12	0.903 6510	3 7946		0.384 1408	7 1196		0.166 6182	3 0885	
19	0	−0.899 8564	3 8621	−3115	−0.391 2604	7 0901	+6033	−0.169 7067	3 0756	+2624
19	12	0.895 9943	3 9293		0.398 3505	7 0598		0.172 7823	3 0624	
20	0	0.892 0650	3 9961	3228	0.405 4103	7 0292	5981	0.175 8447	3 0491	2601
20	12	0.888 0689	4 0627		0.412 4395	6 9978		0.178 8938	3 0356	
21	0	0.884 0062	4 1288	3340	0.419 4373	6 9661	5927	0.181 9294	3 0217	2578
21	12	0.879 8774	4 1948		0.426 4034	6 9337		0.184 9511	3 0076	
22	0	−0.875 6826	4 2604	−3451	−0.433 3371	6 9009	+5871	−0.187 9587	2 9933	+2554
22	12	0.871 4222	4 3256		0.440 2380	6 8675		0.190 9520	2 9789	
23	0	0.867 0966	4 3905	3560	0.447 1055	6 8337	5813	0.193 9309	2 9641	2529
23	12	0.862 7061	4 4551		0.453 9392	6 7993		0.196 8950	2 9492	
24	0	0.858 2510	4 5194	3669	0.460 7385	6 7644	5754	0.199 8442	2 9339	2503
24	12	0.853 7316	4 5832		0.467 5029	6 7290		0.202 7781	2 9186	
25	0	−0.849 1484	4 6467	−3776	−0.474 2319	6 6933	+5693	−0.205 6967	2 9031	+2476
25	12	0.844 5017	4 7100		0.480 9252	6 6569		0.208 5998	2 8873	
26	0	0.839 7917	4 7728	3883	0.487 5821	6 6201	5631	0.211 4871	2 8713	2449
26	12	0.835 0189	4 8353		0.494 2022	6 5829		0.214 3584	2 8551	
27	0	0.830 1836	4 8975	3988	0.500 7851	6 5452	5567	0.217 2135	2 8387	2421
27	12	0.825 2861	4 9593		0.507 3303	6 5070		0.220 0522	2 8220	
28	0	−0.820 3268	5 0208	−4092	−0.513 8373	6 4684	+5501	−0.222 8742	2 8053	+2393
28	12	0.815 3060	5 0820		0.520 3057	6 4293		0.225 6795	2 7884	
29	0	0.810 2240	5 1428	4195	0.526 7350	6 3898	5434	0.228 4679	2 7712	2363
29	12	0.805 0812	5 2034		0.533 1248	6 3498		0.231 2391	2 7538	
30	0	0.799 8778	5 2635	4297	0.539 4746	6 3093	5365	0.233 9929	2 7364	2333
30	12	0.794 6143	5 3234		0.545 7839	6 2684		0.236 7293	2 7185	
31	0	−0.789 2909	5 3828	−4397	−0.552 0523	6 2271	+5294	−0.239 4478	2 7005	+2302
31	12	0.783 9081	5 4421		0.558 2794	6 1851		0.242 1483	2 6825	
Nov. 1	0	0.778 4660	5 5009	4496	0.564 4645	6 1428	5221	0.244 8308	2 6640	2270
1	12	0.772 9651	5 5595		0.570 6073	6 1000		0.247 4948	2 6455	
2	0	0.767 4056	5 6176	−4594	0.576 7073	6 0568	+5147	0.250 1403	2 6268	+2238
2	12	−0.761 7880			−0.582 7641			−0.252 7671		

Welt-Zeit		Mittleres Äquinoktium 1928.0								
		X		Red. auf 1925.0	Y		Red. auf 1925.0	Z		Red. auf 1925.0
1928	h									
Nov. 2	12	−0.761 7880	5 6756		−0.582 7641	6 0130		−0.252 7671	2 6078	
3	0	0.756 1124	5 7330	−4690	0.588 7771	5 9687	+5071	0.255 3749	2 5887	+2205
3	12	0.750 3794	5 7901		0.594 7458	5 9239		0.257 9636	2 5692	
4	0	0.744 5893	5 8469	4785	0.600 6697	5 8786	4994	0.260 5328	2 5496	2171
4	12	0.738 7424	5 9033		0.606 5483	5 8329		0.263 0824	2 5299	
5	0	0.732 8391	5 9591	4878	0.612 3812	5 7866	4915	0.265 6123	2 5098	2137
5	12	−0.726 8800	6 0147		−0.618 1678	5 7398		−0.268 1221	2 4896	
6	0	0.720 8653	6 0700	−4970	0.623 9076	5 6926	+4835	0.270 6117	2 4691	+2102
6	12	0.714 7953	6 1247		0.629 6002	5 6449		0.273 0808	2 4485	
7	0	0.708 6706	6 1789	5060	0.635 2451	5 5967	4753	0.275 5293	2 4277	2066
7	12	0.702 4917	6 2328		0.640 8418	5 5480		0.277 9570	2 4065	
8	0	0.696 2589	6 2862	5149	0.646 3898	5 4987	4670	0.280 3635	2 3852	2030
8	12	−0.689 9727	6 3391		−0.651 8885	5 4490		−0.282 7487	2 3637	
9	0	0.683 6336	6 3915	−5236	0.657 3375	5 3990	+4585	0.285 1124	2 3420	+1993
9	12	0.677 2421	6 4435		0.662 7365	5 3484		0.287 4544	2 3201	
10	0	0.670 7986	6 4951	5322	0.668 0849	5 2974	4499	0.289 7745	2 2980	1956
10	12	0.664 3035	6 5460		0.673 3823	5 2458		0.292 0725	2 2756	
11	0	0.657 7575	6 5964	5406	0.678 6281	5 1938	4411	0.294 3481	2 2531	1918
11	12	−0.651 1611	6 6465		−0.683 8219	5 1414		−0.296 6012	2 2304	
12	0	0.644 5146	6 6959	−5488	0.688 9633	5 0886	+4322	0.298 8316	2 2074	+1879
12	12	0.637 8187	6 7448		0.694 0519	5 0354		0.301 0390	2 1843	
13	0	0.631 0739	6 7933	5569	0.699 0873	4 9817	4232	0.303 2233	2 1612	1840
13	12	0.624 2806	6 8411		0.704 0690	4 9276		0.305 3845	2 1377	
14	0	0.617 4395	6 8884	5648	0.708 9966	4 8730	4141	0.307 5222	2 1140	1800
14	12	−0.610 5511	6 9352		−0.713 8696	4 8181		−0.309 6362	2 0901	
15	0	0.603 6159	6 9814	−5725	0.718 6877	4 7629	+4048	0.311 7263	2 0662	+1760
15	12	0.596 6345	7 0271		0.723 4506	4 7072		0.313 7925	2 0420	
16	0	0.589 6074	7 0722	5801	0.728 1578	4 6511	3954	0.315 8345	2 0177	1719
16	12	0.582 5352	7 1167		0.732 8089	4 5947		0.317 8522	1 9932	
17	0	0.575 4185	7 1607	5874	0.737 4036	4 5379	3859	0.319 8454	1 9686	1678
17	12	−0.568 2578	7 2041		−0.741 9415	4 4808		−0.321 8140	1 9437	
18	0	0.561 0537	7 2469	−5946	0.746 4223	4 4233	+3762	0.323 7577	1 9187	+1636
18	12	0.553 8068	7 2892		0.750 8456	4 3654		0.325 6764	1 8935	
19	0	0.546 5176	7 3309	6017	0.755 2110	4 3072	3665	0.327 5699	1 8684	1594
19	12	0.539 1867	7 3720		0.759 5182	4 2487		0.329 4383	1 8429	
20	0	0.531 8147	7 4124	6085	0.763 7669	4 1899	3567	0.331 2812	1 8174	1551
20	12	−0.524 4023	7 4524		−0.767 9568	4 1308		−0.333 0986	1 7917	
21	0	0.516 9499	7 4917	−6151	0.772 0876	4 0714	+3467	0.334 8903	1 7659	+1508
21	12	0.509 4582	7 5304		0.776 1590	4 0116		0.336 6562	1 7399	
22	0	0.501 9278	7 5686	6216	0.780 1706	3 9516	3367	0.338 3961	1 7139	1464
22	12	0.494 3592	7 6061		0.784 1222	3 8913		0.340 1100	1 6876	
23	0	−0.486 7531		−6278	−0.788 0135		+3265	−0.341 7976		+1420

Welt-Zeit		Mittleres Äquinoktium 1928.0								
		X		Red. auf 1925.0	Y		Red. auf 1925.0	Z		Red. auf 1925.0
1928	h									
Nov. 23	0	−0.486 7531	7 6431	−6278	−0.788 0135	3 8308	+3265	−0.341 7976	1 6613	+1420
23	12	0.479 1100	7 6795		0.791 8443	3 7699		0.343 4589	1 6350	
24	0	0.471 4305	7 7154	6339	0.795 6142	3 7088	3163	0.345 0939	1 6084	1375
24	12	0.463 7151	7 7507		0.799 3230	3 6475		0.346 7023	1 5817	
25	0	0.455 9644	7 7853	6397	0.802 9705	3 5860	3059	0.348 2840	1 5550	1330
25	12	0.448 1791	7 8194		0.806 5565	3 5241		0.349 8390	1 5282	
26	0	−0.440 3597	7 8530	−6454	−0.810 0806	3 4620	+2955	−0.351 3672	1 5014	+1285
26	12	0.432 5067	7 8860		0.813 5426	3 3997		0.352 8686	1 4742	
27	0	0.424 6207	7 9185	6509	0.816 9423	3 3372	2850	0.354 3428	1 4470	1239
27	12	0.416 7022	7 9504		0.820 2795	3 2743		0.355 7898	1 4198	
28	0	0.408 7518	7 9819	6561	0.823 5538	3 2113	2743	0.357 2096	1 3926	1193
28	12	0.400 7699	8 0128		0.826 7651	3 1479		0.358 6022	1 3651	
29	0	−0.392 7571	8 0429	−6612	−0.829 9130	3 0843	+2636	−0.359 9673	1 3375	+1146
29	12	0.384 7142	8 0726		0.832 9973	3 0204		0.361 3048	1 3098	
30	0	0.376 6416	8 1018	6661	0.836 0177	2 9564	2527	0.362 6146	1 2821	1099
30	12	0.368 5398	8 1304		0.838 9741	2 8920		0.363 8967	1 2542	
Dez. 1	0	0.360 4094	8 1585	6707	0.841 8661	2 8274	2418	0.365 1509	1 2261	1051
1	12	0.352 2509	8 1859		0.844 6935	2 7625		0.366 3770	1 1980	
2	0	−0.344 0650	8 2128	−6752	−0.847 4560	2 6972	+2309	−0.367 5750	1 1699	+1004
2	12	0.335 8522	8 2391		0.850 1532	2 6319		0.368 7449	1 1415	
3	0	0.327 6131	8 2647	6794	0.852 7851	2 5661	2199	0.369 8864	1 1130	956
3	12	0.319 3484	8 2898		0.855 3512	2 5002		0.370 9994	1 0844	
4	0	0.311 0586	8 3143	6835	0.857 8514	2 4340	2088	0.372 0838	1 0558	907
4	12	0.302 7443	8 3381		0.860 2854	2 3675		0.373 1396	1 0270	
5	0	−0.294 4062	8 3612	−6873	−0.862 6529	2 3010	+1976	−0.374 1666	9981	+ 859
5	12	0.286 0450	8 3838		0.864 9539	2 2339		0.375 1647	9691	
6	0	0.277 6612	8 4056	6909	0.867 1878	2 1668	1863	0.376 1338	9401	810
6	12	0.269 2556	8 4268		0.869 3546	2 0995		0.377 0739	9109	
7	0	0.260 8288	8 4473	6943	0.871 4541	2 0319	1750	0.377 9848	8816	761
7	12	0.252 3815	8 4673		0.873 4860	1 9641		0.378 8664	8522	
8	0	−0.243 9142	8 4865	−6975	−0.875 4501	1 8961	+1637	−0.379 7186	8228	+ 712
8	12	0.235 4277	8 5050		0.877 3462	1 8280		0.380 5414	7932	
9	0	0.226 9227	8 5228	7005	0.879 1742	1 7597	1523	0.381 3346	7636	663
9	12	0.218 3999	8 5400		0.880 9339	1 6912		0.382 0982	7339	
10	0	0.209 8599	8 5566	7033	0.882 6251	1 6225	1409	0.382 8321	7040	613
10	12	0.201 3033	8 5722		0.884 2476	1 5537		0.383 5361	6742	
11	0	−0.192 7311	8 5874	−7058	−0.885 8013	1 4847	+1294	−0.384 2103	6444	+ 563
11	12	0.184 1437	8 6017		0.887 2860	1 4157		0.384 8547	6144	
12	0	0.175 5420	8 6154	7081	0.888 7017	1 3464	1178	0.385 4691	5844	514
12	12	0.166 9266	8 6285		0.890 0481	1 2771		0.386 0535	5543	
13	0	0.158 2981	8 6407	−7102	0.891 3252	1 2076	+1063	0.386 6078	5240	+ 464
13	12	−0.149 6574			−0.892 5328			−0.387 1318		

Welt-Zeit		Mittleres Äquinoktium 1928.0 X		Red. auf 1925.0	Y		Red. auf 1925.0	Z		Red. auf 1925.0
1928										
Dez. 13	12h	−0.149 6574	8 6523		−0.892 5328	1 1380		−0.387 1318	4939	
14	0	0.141 0051	8 6631	−7121	0.893 6708	1 0684	+ 947	0.387 6257	4636	+ 413
14	12	0.132 3420	8 6733		0.894 7392	9986		0.388 0893	4334	
15	0	0.123 6687	8 6828	7137	0.895 7378	9289	831	0.388 5227	4030	362
15	12	0.114 9859	8 6915		0.896 6667	8589		0.388 9257	3727	
16	0	0.106 2944	8 6996	7151	0.897 5256	7890	714	0.389 2984	3423	311
16	12	−0.097 5948	8 7068		−0.898 3146	7189		−0.389 6407	3120	
17	0	0.088 8880	8 7134	−7163	0.899 0335	6490	+ 597	0.389 9527	2816	+ 260
17	12	0.080 1746	8 7194		0.899 6825	5788		0.390 2343	2511	
18	0	0.071 4552	8 7246	7173	0.900 2613	5088	481	0.390 4854	2206	210
18	12	0.062 7306	8 7290		0.900 7701	4387		0.390 7060	1902	
19	0	0.054 0016	8 7328	7181	0.901 2088	3686	364	0.390 8962	1597	159
19	12	−0.045 2688	8 7361		−0.901 5774	2985		−0.391 0559	1293	
20	0	0.036 5327	8 7384	−7186	0.901 8759	2284	+ 247	0.391 1852	989	+ 108
20	12	0.027 7943	8 7401		0.902 1043	1583		0.391 2841	684	
21	0	0.019 0542	8 7412	7189	0.902 2626	882	130	0.391 3525	380	57
21	12	0.010 3130	8 7416		0.902 3508	182		0.391 3905	77	
22	0	−0.001 5714	8 7413	7190	0.902 3690	$\overline{517}$	+ 13	0.391 3982	227	+ 6
22	12	+0.007 1699	8 7404		−0.902 3173	1216		−0.391 3755	531	
23	0	0.015 9103	8 7388	−7189	0.902 1957	1916	− 105	0.391 3224	835	− 45
23	12	0.024 6491	8 7365		0.902 0041	2615		0.391 2389	1137	
24	0	0.033 3856	8 7336	7186	0.901 7426	3312	222	0.391 1252	1440	96
24	12	0.042 1192	8 7302		0.901 4114	4009		0.390 9812	1743	
25	0	0.050 8494	8 7260	7180	0.901 0105	4706	339	0.390 8069	2045	147
25	12	+0.059 5754	8 7213		−0.900 5399	5402		−0.390 6024	2347	
26	0	0.068 2967	8 7158	−7172	0.899 9997	6099	− 456	0.390 3677	2648	− 198
26	12	0.077 0125	8 7099		0.899 3898	6794		0.390 1029	2950	
27	0	0.085 7224	8 7032	7162	0.898 7104	7489	572	0.389 8079	3251	249
27	12	0.094 4256	8 6961		0.897 9615	8183		0.389 4828	3552	
28	0	0.103 1217	8 6882	7149	0.897 1432	8877	689	0.389 1276	3853	299
28	12	+0.111 8099	8 6797		−0.896 2555	9572		−0.388 7423	4153	
29	0	0.120 4896	8 6706	−7135	0.895 2983	1 0266	− 805	0.388 3270	4454	− 350
29	12	0.129 1602	8 6609		0.894 2717	1 0959		0.387 8816	4754	
30	0	0.137 8211	8 6504	7118	0.893 1758	1 1650	922	0.387 4062	5054	401
30	12	0.146 4715	8 6395		0.892 0108	1 2343		0.386 9008	5353	
31	0	0.155 1110	8 6278	7098	0.890 7765	1 3034	1038	0.386 3655	5653	452
31	12	+0.163 7388	8 6155		−0.889 4731	1 3726		−0.385 8002	5953	
32	0	+0.172 3543		−7077	−0.888 1005		−1153	−0.385 2049		− 502

Frühlingsäquinoktium	20. März	20h 45m	Herbstäquinoktium	23. Sept.	7h 6m
Sommersolstitium	21. Juni	16 7	Wintersolstitium	22. Dez.	2 4

Perigäum	4. Jan.	7h
Apogäum	4. Juli	10

Tag	0ʰ Welt-Zeit			
	Aberration	Parallaxe	Mittlere Länge $L_\odot$	Mittlere Anomalie $M_\odot$
1928				
Jan. − 1	20.″82	8.″95	277.°4478	355.°75
+ 9	20.82	8.95	287.3043	5.60
19	20.81	8.94	297.1608	15.45
29	20.78	8.93	307.0173	25.31
Febr. 8	20.75	8.92	316.8738	35.16
18	20.71	8.90	326.7303	45.02
28	20.67	8.88	336.5867	54.88
März 9	20.61	8.86	346.4432	64.73
19	20.56	8.84	356.2997	74.59
29	20.50	8.81	6.1562	84.44
April 8	20.44	8.79	16.0126	94.30
18	20.38	8.76	25.8691	104.16
28	20.33	8.74	35.7256	114.01
Mai 8	20.28	8.72	45.5820	123.87
18	20.23	8.70	55.4385	133.72
28	20.20	8.68	65.2950	143.58
Juni 7	20.17	8.67	75.1515	153.44
17	20.15	8.66	85.0079	163.29
27	20.14	8.66	94.8644	173.15
Juli 7	20.13	8.66	104.7209	183.00
17	20.14	8.66	114.5774	192.86
27	20.16	8.67	124.4338	202.72
Aug. 6	20.19	8.68	134.2903	212.57
16	20.22	8.69	144.1468	222.43
26	20.26	8.71	154.0033	232.28
Sept. 5	20.31	8.73	163.8597	242.14
15	20.36	8.75	173.7162	252.00
25	20.42	8.78	183.5727	261.85
Okt. 5	20.47	8.80	193.4291	271.71
15	20.53	8.83	203.2856	281.56
25	20.59	8.85	213.1421	291.42
Nov. 4	20.65	8.88	222.9986	301.28
14	20.69	8.90	232.8550	311.13
24	20.74	8.92	242.7115	320.99
Dez. 4	20.77	8.93	252.5680	330.84
14	20.80	8.94	262.4245	340.70
24	20.81	8.95	272.2809	350.56
34	20.82	8.95	282.1374	0.42

Phasen des Mondes

1928		Welt-Zeit h m		1928		Welt-Zeit h m	
Jan.	0	11 22.1	Erstes Viertel	Juli	3	2 48.5	Vollmond
	7	6 7.7	Vollmond		10	12 15.9	Letztes Viertel
	14	21 13.6	Letztes Viertel		17	4 35.5	Neumond
	22	20 18.7	Neumond		24	14 38.1	Erstes Viertel
	29	19 25.6	Erstes Viertel	Aug.	1	15 30.5	Vollmond
Febr.	5	20 11.0	Vollmond		8	17 23.8	Letztes Viertel
	13	19 5.0	Letztes Viertel		15	13 48.6	Neumond
	21	9 40.8	Neumond		23	8 21.4	Erstes Viertel
	28	3 20.6	Erstes Viertel		31	2 34.0	Vollmond
März	6	11 26.9	Vollmond	Sept.	6	22 35.0	Letztes Viertel
	14	15 20.0	Letztes Viertel		14	1 20.7	Neumond
	21	20 29.3	Neumond		22	2 57.7	Erstes Viertel
	28	11 54.3	Erstes Viertel		29	12 42.5	Vollmond
April	5	3 38.3	Vollmond	Okt.	6	5 5.8	Letztes Viertel
	13	8 8.7	Letztes Viertel		13	15 56.3	Neumond
	20	5 24.8	Neumond		21	21 6.2	Erstes Viertel
	26	21 41.7	Erstes Viertel		28	22 43.4	Vollmond
Mai	4	20 11.8	Vollmond	Nov.	4	14 6.3	Letztes Viertel
	12	20 50.3	Letztes Viertel		12	9 35.3	Neumond
	19	13 14.1	Neumond		20	13 35.8	Erstes Viertel
	26	9 11.6	Erstes Viertel		27	9 5.5	Vollmond
Juni	3	12 13.5	Vollmond	Dez.	4	2 31.5	Letztes Viertel
	11	5 51.1	Letztes Viertel		12	5 6.1	Neumond
	17	20 42.1	Neumond		20	3 43.4	Erstes Viertel
	24	22 47.4	Erstes Viertel		26	19 54.8	Vollmond

Mond im Perigäum

1928		Welt-Zeit h
Jan.	3	22.6
Jan.	29	11.5
Febr.	24	11.5
März	23	10.6
April	20	19.2
Mai	19	5.6
Juni	16	13.9
Juli	14	15.1
Aug.	10	16.9
Sept.	4	17.3
Okt.	1	22.0
Okt.	30	1.9
Nov.	27	13.5
Dez.	26	2.5

Mond im Apogäum

1928		Welt-Zeit h
Jan.	15	18.8
Febr.	12	16.1
März	11	11.0
April	8	0.2
Mai	5	4.5
Juni	1	8.1
Juni	28	19.7
Juli	26	12.1
Aug.	23	6.7
Sept.	20	2.0
Okt.	17	20.1
Nov.	14	8.1
Dez.	11	9.3

Tag	Scheinbare Rektaszension	Diff.	Scheinbare Deklination	Diff.	Parallaxe	Diff.	Halbmesser	Diff.	Länge	Breite
	0h Welt-Zeit									
1928	h m s	m s	° ′	° ′	′ ″	″	′ ″	″	°	°
Jan. 0	0 16 1	50 56	− 3 50.1	5 54.9	58 49.2	22.8	16 3.1	6.2	2.146	−5.112
1	1 6 57	51 57	+ 2 4.8	5 52.8	59 12.0	18.7	16 9.3	5.1	16.223	−4.660
2	1 58 54	53 57	+ 7 57.6	5 31.2	59 30.7	12.6	16 14.4	3.5	30.449	−3.919
3	2 52 51	56 41	+13 28.8	4 47.9	59 43.3	4.4	16 17.9	1.1	44.790	−2.929
4	3 49 32	59 35	+18 16.7	3 42.4	59 47.7	5.9	16 19.0	1.6	59.197	−1.750
5	4 49 7	61 51	+21 59.1	2 17.9	59 41.8	17.1	16 17.4	4.6	73.607	−0.460
6	5 50 58	62 34	+24 17.0	0 41.7	59 24.7	27.9	16 12.8	7.6	87.942	+0.850
7	6 53 32	61 19	+24 58.7	0 54.4	58 56.8	37.0	16 5.2	10.1	102.119	+2.092
8	7 54 51	58 25	+24 4.3	2 19.5	58 19.8	43.1	15 55.1	11.7	116.061	+3.185
9	8 53 16	54 36	+21 44.8	3 26.9	57 36.7	45.6	15 43.4	12.5	129.703	+4.069
10	9 47 52	50 47	+18 17.9	4 14.5	56 51.1	44.4	15 30.9	12.1	143.003	+4.709
11	10 38 39	47 31	+14 3.4	4 44.5	56 6.7	40.0	15 18.8	10.9	155.949	+5.087
12	11 26 10	45 6	+ 9 18.9	5 0.0	55 26.7	32.9	15 7.9	8.9	168.556	+5.206
13	12 11 16	43 42	+ 4 18.9	5 4.1	54 53.8	23.8	14 59.0	6.5	180.865	+5.080
14	12 54 58	43 15	− 0 45.2	4 58.9	54 30.0	13.6	14 52.5	3.7	192.937	+4.729
15	13 38 13	43 46	− 5 44.1	4 45.1	54 16.4	3.0	14 48.8	0.8	204.847	+4.178
16	14 21 59	45 11	−10 29.2	4 22.7	54 13.4	7.4	14 48.0	2.0	216.678	+3.453
17	15 7 10	47 22	−14 51.9	3 50.1	54 20.8	17.0	14 50.0	4.6	228.517	+2.579
18	15 54 32	50 4	−18 42.0	3 6.0	54 37.8	25.1	14 54.6	6.8	240.447	+1.588
19	16 44 36	52 58	−21 48.0	2 9.1	55 2.9	31.5	15 1.4	8.6	252.544	+0.514
20	17 37 34	55 28	−23 57.1	0 59.7	55 34.4	35.4	15 10.0	9.7	264.875	−0.602
21	18 33 2	57 4	−24 56.8	0 19.3	56 9.8	36.9	15 19.7	10.0	277.486	−1.712
22	19 30 6	57 26	−24 37.5	1 42.1	56 46.7	35.7	15 29.7	9.7	290.406	−2.758
23	20 27 32	56 35	−22 55.4	3 1.3	57 22.4	32.3	15 39.4	8.8	303.637	−3.680
24	21 24 7	54 59	−19 54.1	4 9.9	57 54.7	27.2	15 48.2	7.5	317.156	−4.415
25	22 19 6	53 13	−15 44.2	5 3.4	58 21.9	21.4	15 55.7	5.8	330.920	−4.909
26	23 12 19	51 49	−10 40.8	5 39.0	58 43.3	15.2	16 1.5	4.1	344.870	−5.120
27	0 4 8	51 11	− 5 1.8	5 55.9	58 58.5	9.6	16 5.6	2.6	358.942	−5.025
28	0 55 19	51 28	+ 0 54.1	5 54.3	59 8.1	4.4	16 8.2	1.3	13.076	−4.626
29	1 46 47	52 44	+ 6 48.4	5 33.6	59 12.5	0.1	16 9.5	0.1	27.225	−3.945
30	2 39 31	54 49	+12 22.0	4 53.8	59 12.4	4.4	16 9.4	1.2	41.355	−3.024
31	3 34 20	57 19	+17 15.8	3 54.9	59 8.0	9.0	16 8.2	2.4	55.443	−1.922
Febr. 1	4 31 39	59 36	+21 10.7	2 38.6	58 59.0	13.8	16 5.8	3.8	69.473	−0.710
2	5 31 15	60 54	+23 49.3	1 9.9	58 45.2	19.2	16 2.0	5.2	83.428	+0.537
3	6 32 9	60 37	+24 59.2	0 23.1	58 26.0	24.6	15 56.8	6.7	97.284	+1.741
4	7 32 46	58 43	+24 36.1	1 50.5	58 1.4	29.5	15 50.1	8.1	111.009	+2.829
5	8 31 29	55 40	+22 45.6	3 4.5	57 31.9	33.4	15 42.0	9.1	124.563	+3.741
6	9 27 9	52 11	+19 41.1	4 0.7	56 58.5	35.4	15 32.9	9.6	137.904	+4.430
7	10 19 20	48 57	+15 40.4	4 38.7	56 23.1	35.2	15 23.3	9.6	150.997	+4.871
8	11 8 17	46 19	+11 1.7	5 0.4	55 47.9	32.5	15 13.7	8.9	163.817	+5.053
9	11 54 36	44 33	+ 6 1.3	5 8.6	55 15.4	27.5	15 4.8	7.4	176.361	+4.986
10	12 39 9		+ 0 52.7		54 47.9		14 57.4		188.647	+4.687

Tag	Obere Kulmination in Greenwich							0h Länge, +50° Breite			
	AR.	Änderung für 1h westl. Länge	Dekl.	Änderung für 1h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1h westl. Länge	Aufgang	Änderung für 1h westl. Länge	Untergang	Änderung für 1h westl. Länge
1928	h m s	s	° ′	′	′	h m	m	h m	m	h m	m
Jan. 0	0 54 48	132	+ 0 40.0	+15.4	59.1	18 18.1	2.03	12 11	0.8	—	—
1	1 48 12	136	+ 6 47.0	+15.1	59.5	19 7.4	2.09	12 30	0.8	0 40	3.3
2	2 43 38	142	+12 35.8	+13.8	59.7	19 58.8	2.19	12 51	1.0	2 1	3.4
3	3 42 0	150	+17 42.6	+11.6	59.8	20 53.0	2.33	13 16	1.2	3 24	3.5
4	4 43 40	158	+21 42.4	+ 8.3	59.7	21 50.6	2.46	13 47	1.5	4 47	3.4
5	5 47 58	163	+24 12.5	+ 4.1	59.4	22 50.8	2.54	14 26	1.9	6 9	3.3
6	6 53 11	162	+24 58.8	— 0.3	59.0	23 51.9	2.53	15 18	2.4	7 23	2.9
7	—	—	—	—	—	—	—	16 21	2.8	8 26	2.3
8	7 57 0	156	+24 0.7	— 4.5	58.3	0 51.6	2.43	17 33	3.0	9 14	1.7
9	8 57 30	146	+21 31.3	— 7.8	57.6	1 48.0	2.26	18 47	3.1	9 50	1.3
10	9 53 42	135	+17 51.6	—10.3	56.8	2 40.1	2.08	20 1	3.0	10 18	1.0
11	10 45 42	125	+13 23.8	—11.9	56.0	3 28.1	1.92	21 13	2.9	10 39	0.8
12	11 34 13	118	+ 8 27.1	—12.7	55.3	4 12.5	1.79	22 22	2.8	10 58	0.7
13	12 20 17	113	+ 3 16.7	—13.0	54.8	4 54.5	1.71	23 29	2.8	11 14	0.7
14	13 5 2	111	— 1 55.6	—12.9	54.4	5 35.2	1.68	—	—	11 30	0.6
15	13 49 33	112	— 7 0.1	—12.4	54.2	6 15.7	1.70	0 35	2.7	11 45	0.7
16	14 34 53	115	—11 48.0	—11.5	54.2	6 57.0	1.75	1 41	2.8	12 3	0.8
17	15 22 2	121	—16 9.4	—10.2	54.4	7 40.1	1.85	2 48	2.8	12 23	0.9
18	16 11 47	128	—19 53.0	— 8.3	54.8	8 25.7	1.97	3 56	2.8	12 48	1.2
19	17 4 40	136	—22 45.2	— 5.9	55.2	9 14.5	2.10	5 4	2.8	13 20	1.5
20	18 0 39	144	—24 31.4	— 2.9	55.8	10 6.5	2.22	6 9	2.6	14 1	2.0
21	18 59 6	148	—24 58.1	+ 0.7	56.4	11 0.8	2.30	7 8	2.3	14 54	2.5
22	19 58 43	149	—23 57.0	+ 4.4	57.1	11 56.3	2.32	7 58	1.9	15 59	2.9
23	20 58 1	147	—21 27.6	+ 8.0	57.7	12 51.5	2.28	8 38	1.5	17 12	3.1
24	21 55 51	142	—17 38.4	+11.0	58.2	13 45.3	2.20	9 10	1.2	18 30	3.3
25	22 51 43	137	—12 44.6	+13.3	58.6	14 37.0	2.12	9 36	1.0	19 50	3.3
26	23 45 48	134	— 7 5.5	+14.8	58.9	15 27.1	2.06	9 58	0.9	21 10	3.3
27	0 38 50	132	— 1 1.3	+15.4	59.1	16 16.0	2.03	10 17	0.8	22 30	3.3
28	1 31 52	133	+ 5 7.5	+15.2	59.2	17 5.0	2.06	10 36	0.8	23 50	3.4
29	2 25 59	138	+11 0.4	+14.1	59.2	17 55.0	2.12	10 56	0.9	—	—
30	3 22 13	144	+16 16.3	+12.1	59.2	18 47.2	2.22	11 19	1.0	1 11	3.4
31	4 21 12	151	+20 33.8	+ 9.2	59.0	19 42.0	2.35	11 46	1.3	2 32	3.4
Febr. 1	5 22 51	157	+23 32.4	+ 5.6	58.8	20 39.6	2.44	12 22	1.7	3 53	3.2
2	6 26 10	159	+24 56.5	+ 1.4	58.5	21 38.8	2.48	13 7	2.1	5 8	2.9
3	7 29 21	156	+24 39.9	— 2.8	58.0	22 37.9	2.43	14 4	2.6	6 13	2.5
4	8 30 29	149	+22 48.2	— 6.4	57.5	23 34.9	2.31	15 12	2.9	7 6	1.9
5	—	—	—	—	—	—	—	16 25	3.1	7 46	1.5
6	9 28 13	139	+19 36.8	— 9.4	57.0	0 28.6	2.15	17 40	3.1	8 17	1.1
7	10 22 5	130	+15 26.0	—11.4	56.4	1 18.4	2.00	18 53	3.0	8 41	0.9
8	11 12 23	122	+10 36.3	—12.6	55.7	2 4.6	1.86	20 4	2.9	9 1	0.8
9	11 59 53	116	+ 5 25.5	—13.2	55.2	2 48.0	1.77	21 12	2.8	9 18	0.7
10	12 45 33	113	+ 0 7.8	—13.2	54.7	3 29.6	1.71	22 20	2.8	9 34	0.6

Tag	0h Welt-Zeit									
	Scheinbare Rektaszension		Scheinbare Deklination		Parallaxe		Halbmesser		Länge	Breite
1928	h m s	m s	° ′	° ′	′ ″	″	′ ″	″	°	°
Febr. 10	12 39 9	43 41	+ 0 52.7	5 5.5	54 47.9	20.3	14 57.4	5.6	188.647	+4.687
11	13 22 50	43 44	− 4 12.8	4 53.1	54 27.6	11.7	14 51.8	3.2	200.716	+4.182
12	14 6 34	44 38	− 9 5.9	4 31.7	54 15.9	1.7	14 48.6	0.4	212.625	+3.500
13	14 51 12	46 22	−13 37.6	4 1.2	54 14.2	8.7	14 48.2	2.3	224.449	+2.671
14	15 37 34	48 39	−17 38.8	3 20.6	54 22.9	19.2	14 50.5	5.3	236.274	+1.728
15	16 26 13	51 24	−20 59.4	2 28.4	54 42.1	28.9	14 55.8	7.8	248.190	+0.702
16	17 17 37	54 5	−23 27.8	1 24.3	55 11.0	37.2	15 3.6	10.2	260.289	−0.370
17	18 11 42	56 14	−24 52.1	0 9.5	55 48.2	43.2	15 13.8	11.8	272.655	−1.446
18	19 7 56	57 22	−25 1.6	1 12.6	56 31.4	46.3	15 25.6	12.6	285.361	−2.478
19	20 5 18	57 21	−23 49.0	2 35.6	57 17.7	45.8	15 38.2	12.4	298.454	−3.409
20	21 2 39	56 23	−21 13.4	3 52.2	58 3.5	41.3	15 50.6	11.3	311.952	−4.178
21	21 59 2	54 57	−17 21.2	4 55.6	58 44.8	33.5	16 1.9	9.1	325.833	−4.723
22	22 53 59	53 35	−12 25.6	5 41.1	59 18.3	22.9	16 11.0	6.3	340.035	−4.992
23	23 47 34	52 44	− 6 44.5	6 5.6	59 41.2	11.2	16 17.3	3.0	354.463	−4.949
24	0 40 18	52 41	− 0 38.9	6 8.4	59 52.4	0.2	16 20.3	0.0	9.003	−4.588
25	1 32 59	53 28	+ 5 29.5	5 49.4	59 52.2	10.1	16 20.3	2.8	23.542	−3.929
26	2 26 27	55 3	+11 18.9	5 9.6	59 42.1	17.7	16 17.5	4.8	37.986	−3.022
27	3 21 30	57 0	+16 28.5	4 10.5	59 24.4	22.9	16 12.7	6.3	52.269	−1.933
28	4 18 30	58 53	+20 39.0	2 55.2	59 1.5	26.1	16 6.4	7.1	66.358	−0.739
29	5 17 23	59 58	+23 34.2	1 28.6	58 35.4	27.8	15 59.3	7.5	80.242	+0.482
März 1	6 17 21	59 46	+25 2.8	0 2.1	58 7.6	28.7	15 51.8	7.8	93.929	+1.657
2	7 17 7	58 10	+25 0.7	1 28.9	57 38.9	29.0	15 44.0	7.9	107.429	+2.721
3	8 15 17	55 30	+23 31.8	2 44.5	57 9.9	29.1	15 36.1	8.0	120.752	+3.621
4	9 10 47	52 22	+20 47.3	3 44.8	56 40.8	29.0	15 28.1	7.9	133.899	+4.313
5	10 3 9	49 19	+17 2.5	4 28.5	56 11.8	28.3	15 20.2	7.7	146.864	+4.770
6	10 52 28	46 47	+12 34.0	4 56.2	55 43.5	26.9	15 12.5	7.3	159.637	+4.980
7	11 39 15	44 57	+ 7 37.8	5 9.7	55 16.6	24.3	15 5.2	6.6	172.208	+4.942
8	12 24 12	43 57	+ 2 28.1	5 11.0	54 52.3	20.3	14 58.6	5.6	184.575	+4.670
9	13 8 9	43 46	− 2 42.9	5 1.5	54 32.0	14.8	14 53.0	4.0	196.747	+4.187
10	13 51 55	44 21	− 7 44.4	4 42.1	54 17.2	8.0	14 49.0	2.2	208.749	+3.523
11	14 36 16	45 42	−12 26.5	4 13.2	54 9.2	0.4	14 46.8	0.1	220.623	+2.709
12	15 21 58	47 38	−16 39.7	3 34.6	54 9.6	9.7	14 46.9	2.7	232.426	+1.781
13	16 9 36	50 0	−20 14.3	2 45.6	54 19.3	19.7	14 49.6	5.3	244.232	+0.775
14	16 59 36	52 26	−22 59.9	1 45.8	54 39.0	29.7	14 54.9	8.1	256.123	−0.273
15	17 52 2	54 35	−24 45.7	0 36.1	55 8.7	39.1	15 3.0	10.7	268.191	−1.325
16	18 46 37	56 2	−25 21.8	0 41.6	55 47.8	47.1	15 13.7	12.8	280.527	−2.339
17	19 42 39	56 34	−24 40.2	2 3.0	56 34.9	52.5	15 26.5	14.3	293.216	−3.266
18	20 39 13	56 14	−22 37.2	3 22.2	57 27.4	54.3	15 40.8	14.8	306.329	−4.053
19	21 35 27	55 22	−19 15.0	4 33.3	58 21.7	51.5	15 55.6	14.0	319.905	−4.641
20	22 30 49	54 25	−14 41.7	5 30.2	59 13.2	43.7	16 9.6	11.9	333.943	−4.973
21	23 25 14	53 50	− 9 11.5	6 7.9	59 56.9	31.3	16 21.5	8.6	348.394	−5.002
22	0 19 4		− 3 3.6		60 28.2		16 30.1		3.157	−4.703

Tag	Obere Kulmination in Greenwich: AR.	Änderung für 1h westl. Länge	Dekl.	Änderung für 1h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1h westl. Länge	0h Länge, + 50° Breite: Aufgang	Änderung für 1h westl. Länge	Untergang	Änderung für 1h westl. Länge
1928	h m s	s	° ′	′	′	h m	m	h m	m	h m	m
Febr. 10	12 45 33	113	+ 0 7.8	−13.2	54.7	3 29.6	1.71	22 20	2.8	9 34	0.6
11	13 30 25	112	− 5 5.0	−12.8	54.4	4 10.4	1.70	23 26	2.8	9 49	0.7
12	14 15 30	114	−10 2.9	−12.0	54.2	4 51.5	1.73	—	—	10 6	0.8
13	15 1 45	118	−14 36.6	−10.8	54.3	5 33.7	1.79	0 33	2.8	10 25	0.9
14	15 50 3	124	−18 35.8	− 9.1	54.4	6 17.9	1.90	1 40	2.8	10 47	1.1
15	16 41 5	131	−21 49.1	− 6.9	54.8	7 4.9	2.02	2 48	2.8	11 16	1.4
16	17 35 10	139	−24 3.2	− 4.2	55.4	7 54.9	2.15	3 54	2.6	11 52	1.7
17	18 32 6	145	−25 4.8	− 0.9	56.1	8 47.7	2.25	4 55	2.4	12 39	2.2
18	19 31 4	149	−24 42.3	+ 2.8	56.8	9 42.6	2.31	5 49	2.0	13 39	2.7
19	20 30 47	149	−22 50.0	+ 6.5	57.6	10 38.2	2.31	6 33	1.7	14 49	3.1
20	21 29 58	146	−19 30.5	+10.0	58.4	11 33.3	2.27	7 9	1.3	16 7	3.3
21	22 27 44	142	−14 54.8	+12.8	59.1	12 27.0	2.21	7 37	1.1	17 28	3.4
22	23 23 51	139	− 9 20.7	+14.8	59.5	13 19.0	2.14	8 1	0.9	18 51	3.4
23	0 18 45	136	− 3 10.3	+15.9	59.8	14 9.8	2.10	8 21	0.8	20 13	3.4
24	1 13 11	136	+ 3 12.5	+15.9	59.9	15 0.2	2.10	8 41	0.8	21 36	3.5
25	2 8 10	139	+ 9 23.7	+14.9	59.8	15 51.1	2.14	9 1	0.9	22 59	3.5
26	3 4 37	144	+15 0.1	+13.0	59.5	16 43.4	2.22	9 23	1.0	—	—
27	4 3 11	149	+19 39.3	+10.2	59.1	17 37.9	2.32	9 49	1.2	0 22	3.4
28	5 3 56	154	+23 1.9	+ 6.6	58.7	18 34.6	2.40	10 21	1.5	1 43	3.3
29	6 6 11	156	+24 53.2	+ 2.6	58.2	19 32.7	2.43	11 3	2.0	3 0	3.0
März 1	7 8 30	155	+25 6.6	− 1.5	57.7	20 30.9	2.40	11 56	2.4	4 8	2.6
2	8 9 14	149	+23 45.1	− 5.2	57.2	21 27.6	2.31	12 59	2.8	5 3	2.0
3	9 7 5	140	+21 0.7	− 8.3	56.7	22 21.3	2.17	14 9	3.0	5 46	1.6
4	10 1 26	132	+17 10.9	−10.7	56.2	23 11.6	2.02	15 23	3.1	6 19	1.2
5	10 52 25	124	+12 34.3	−12.2	55.7	23 58.5	1.90	16 36	3.0	6 45	1.0
6	—	—	—	—	—	—	—	17 48	3.0	7 5	0.8
7	11 40 36	118	+ 7 28.8	−13.1	55.3	0 42.6	1.79	18 58	2.9	7 23	0.7
8	12 26 49	114	+ 2 9.7	−13.4	54.9	1 24.8	1.73	20 5	2.8	7 39	0.6
9	13 11 59	112	− 3 9.8	−13.2	54.5	2 5.9	1.70	21 12	2.8	7 54	0.6
10	13 57 1	113	− 8 18.2	−12.5	54.3	2 46.9	1.72	22 20	2.8	8 10	0.7
11	14 42 48	116	−13 5.2	−11.4	54.1	3 28.6	1.77	23 27	2.8	8 28	0.8
12	15 30 9	121	−17 20.3	− 9.8	54.2	4 11.9	1.84	—	—	8 48	1.0
13	16 19 43	127	−20 52.9	− 7.8	54.4	4 57.4	1.95	0 34	2.8	9 14	1.2
14	17 11 57	134	−23 31.1	− 5.3	54.8	5 45.5	2.06	1 41	2.7	9 46	1.5
15	18 6 52	140	−25 3.0	− 2.3	55.3	6 36.4	2.17	2 43	2.5	10 27	2.0
16	19 4 0	145	−25 17.4	+ 1.1	56.0	7 29.4	2.24	3 39	2.2	11 20	2.5
17	20 2 26	147	−24 6.5	+ 4.8	56.9	8 23.8	2.28	4 27	1.8	12 25	2.9
18	21 1 6	146	−21 27.9	+ 8.4	57.8	9 18.3	2.26	5 5	1.4	13 39	3.2
19	21 59 7	144	−17 26.8	+11.6	58.7	10 12.2	2.23	5 36	1.2	14 59	3.4
20	22 56 4	141	−12 15.2	+14.2	59.6	11 5.1	2.18	6 1	1.0	16 21	3.5
21	23 52 5	139	− 6 11.7	+15.9	60.2	11 57.1	2.15	6 23	0.9	17 46	3.5
22	0 47 47	140	+ 0 20.6	+16.6	60.6	12 48.7	2.15	6 43	0.8	19 10	3.5

Tag	0ʰ Welt-Zeit									
	Scheinbare Rektaszension		Scheinbare Deklination		Parallaxe		Halbmesser		Länge	Breite
1928	h m s	m s	° ′ ″	′ ″	′ ″	″	′ ″	″	°	°
März 22	0 19 4	53 54	− 3 3.6	6 23.1	60 28.2	15.8	16 30.1	4.3	3.157	−4.703
23	1 12 58	54 45	+ 3 19.5	6 13.3	60 44.0	0.9	16 34.4	0.3	18.092	−4.080
24	2 7 43	56 20	+ 9 32.8	5 38.4	60 43.1	16.4	16 34.1	4.4	33.047	−3.176
25	3 4 3	58 16	+15 11.2	4 40.1	60 26.7	28.9	16 29.7	7.9	47.879	−2.062
26	4 2 19	60 2	+19 51.3	3 22.5	59 57.8	37.2	16 21.8	10.1	62.479	−0.826
27	5 2 21	60 58	+23 13.8	1 52.2	59 20.6	41.5	16 11.7	11.4	76.778	+0.440
28	6 3 19	60 32	+25 6.0	0 17.8	58 39.1	42.4	16 0.3	11.5	90.751	+1.652
29	7 3 51	58 42	+25 23.8	1 11.8	57 56.7	40.9	15 48.8	11.2	104.403	+2.742
30	8 2 33	55 47	+24 12.0	2 29.5	57 15.8	37.9	15 37.6	10.3	117.758	+3.656
31	8 58 20	52 29	+21 42.5	3 32.0	56 37.9	34.0	15 27.3	9.2	130.849	+4.359
April 1	9 50 49	49 20	+18 10.5	4 18.4	56 3.9	30.0	15 18.1	8.2	143.706	+4.827
2	10 40 9	46 44	+13 52.1	4 49.5	55 33.9	26.0	15 9.9	7.1	156.359	+5.049
3	11 26 53	44 52	+ 9 2.6	5 7.1	55 7.9	22.1	15 2.8	6.0	168.828	+5.026
4	12 11 45	43 48	+ 3 55.5	5 12.6	54 45.8	18.1	14 56.8	5.0	181.131	+4.769
5	12 55 33	43 34	− 1 17.1	5 7.1	54 27.7	13.8	14 51.8	3.7	193.281	+4.297
6	13 39 7	44 3	− 6 24.2	4 51.1	54 13.9	9.0	14 48.1	2.5	205.298	+3.636
7	14 23 10	45 16	−11 15.3	4 24.9	54 4.9	3.2	14 45.6	0.8	217.202	+2.821
8	15 8 26	47 1	−15 40.2	3 48.6	54 1.7	3.4	14 44.8	0.9	229.028	+1.886
9	15 55 27	49 8	−19 28.8	3 1.6	54 5.1	10.9	14 45.7	3.0	240.818	+0.870
10	16 44 35	51 21	−22 30.4	2 4.5	54 16.0	19.5	14 48.7	5.3	252.629	−0.188
11	17 35 56	53 17	−24 34.9	0 58.1	54 35.5	28.4	14 54.0	7.7	264.528	−1.247
12	18 29 13	54 37	−25 33.0	0 15.7	55 3.9	37.6	15 1.7	10.2	276.590	−2.267
13	19 23 50	55 11	−25 17.3	1 33.2	55 41.5	46.0	15 11.9	12.6	288.900	−3.204
14	20 19 1	54 59	−23 44.1	2 50.3	56 27.5	52.8	15 24.5	14.4	301.540	−4.011
15	21 14 0	54 19	−20 53.8	4 2.1	57 20.3	56.9	15 38.9	15.6	314.585	−4.639
16	22 8 19	53 37	−16 51.7	5 4.2	58 17.2	56.9	15 54.5	15.4	328.091	−5.036
17	23 1 56	53 14	−11 47.5	5 52.1	59 14.1	51.6	16 9.9	14.0	342.080	−5.153
18	23 55 10	53 32	− 5 55.4	6 21.2	60 5.7	40.8	16 23.9	11.2	356.530	−4.952
19	0 48 42	54 40	+ 0 25.8	6 27.1	60 46.5	25.0	16 35.1	6.8	11.365	−4.419
20	1 43 22	56 37	+ 6 52.9	6 6.5	61 11.5	5.9	16 41.9	1.6	26.459	−3.571
21	2 39 59	59 5	+12 59.4	5 18.0	61 17.4	13.4	16 43.5	3.7	41.653	−2.465
22	3 39 4	61 30	+18 17.4	4 3.7	61 4.0	30.6	16 39.8	8.3	56.780	−1.188
23	4 40 34	63 1	+22 21.1	2 30.5	60 33.4	43.2	16 31.5	11.8	71.690	+0.156
24	5 43 35	62 54	+24 51.6	0 48.8	59 50.2	50.7	16 19.7	13.8	86.275	+1.463
25	6 46 29	61 0	+25 40.4	0 49.2	58 59.5	53.0	16 5.9	14.4	100.473	+2.645
26	7 47 29	57 42	+24 51.2	2 14.3	58 6.5	51.4	15 51.5	14.0	114.263	+3.639
27	8 45 11	53 50	+22 36.9	3 21.7	57 15.1	46.9	15 37.5	12.8	127.661	+4.404
28	9 39 1	50 10	+19 15.2	4 11.0	56 28.2	40.9	15 24.7	11.2	140.702	+4.918
29	10 29 11	47 6	+15 4.2	4 44.4	55 47.3	34.0	15 13.5	9.2	153.435	+5.175
30	11 16 17	44 55	+10 19.8	5 4.0	55 13.3	27.1	15 4.3	7.4	165.910	+5.181
Mai 1	12 1 12	43 38	+ 5 15.8	5 11.9	54 46.2	20.6	14 56.9	5.6	178.175	+4.948
2	12 44 50		+ 0 3.9		54 25.6		14 51.3		190.276	+4.495

Tag	Obere Kulmination in Greenwich: AR.	Änderung für 1^h westl. Länge	Dekl.	Änderung für 1^h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1^h westl. Länge	0^h Länge, $+50°$ Breite: Aufgang	Änderung für 1^h westl. Länge	Untergang	Änderung für 1^h westl. Länge
1928	h m s	s	° '	'	'	h m	m	h m	m	h m	m
März 22	0 47 47	140	+ 0 20.6	+16.6	60.6	12 48.7	2.15	6 43	0.8	19 10	3.5
23	1 44 1	142	+ 6 55.1	+16.1	60.8	13 40.8	2.20	7 3	0.9	20 36	3.6
24	2 41 42	147	+13 4.0	+14.5	60.6	14 34.4	2.27	7 25	1.0	22 3	3.6
25	3 41 27	152	+18 20.1	+11.7	60.2	15 30.1	2.36	7 49	1.1	23 29	3.5
26	4 43 21	157	+22 19.5	+ 8.1	59.5	16 27.8	2.44	8 20	1.5	—	—
27	5 46 40	159	+24 44.7	+ 3.9	58.8	17 27.1	2.48	8 59	1.9	0 50	3.2
28	6 49 57	157	+25 27.9	− 0.3	58.1	18 26.3	2.44	9 49	2.3	2 3	2.8
29	7 51 29	150	+24 32.3	− 4.2	57.4	19 23.7	2.33	10 50	2.7	3 3	2.2
30	8 49 57	142	+22 10.0	− 7.5	56.7	20 18.1	2.19	11 59	3.0	3 49	1.7
31	9 44 45	133	+18 38.4	−10.0	56.1	21 8.8	2.04	13 12	3.0	4 24	1.3
April 1	10 36 1	124	+14 15.8	−11.8	55.6	21 56.0	1.90	14 25	3.0	4 51	1.0
2	11 24 21	118	+ 9 19.2	−12.9	55.2	22 40.3	1.80	15 36	2.9	5 12	0.8
3	12 10 36	114	+ 4 3.6	−13.4	54.8	23 22.4	1.72	16 46	2.9	5 30	0.7
4	—	—	—	—	—	—	—	17 54	2.8	5 45	0.6
5	12 55 40	112	− 1 17.9	−13.4	54.5	0 3.5	1.69	19 1	2.8	6 1	0.6
6	13 40 27	112	− 6 33.4	−12.9	54.2	0 44.2	1.71	20 8	2.8	6 16	0.6
7	14 25 49	115	−11 31.8	−11.9	54.1	1 25.5	1.74	21 16	2.8	6 32	0.7
8	15 12 32	119	−16 2.2	−10.5	54.0	2 8.1	1.82	22 23	2.8	6 52	0.9
9	16 1 13	125	−19 53.2	− 8.6	54.1	2 52.7	1.91	23 30	2.7	7 15	1.1
10	16 52 17	131	−22 53.4	− 6.3	54.3	3 39.7	2.00	—	—	7 44	1.4
11	17 45 45	137	−24 51.1	− 3.5	54.7	4 29.1	2.11	0 34	2.5	8 21	1.8
12	18 41 17	141	−25 36.0	− 0.2	55.2	5 20.6	2.18	1 32	2.2	9 9	2.2
13	19 38 7	143	−25 0.6	+ 3.2	55.9	6 13.3	2.21	2 22	1.9	10 7	2.6
14	20 35 21	143	−23 1.5	+ 6.7	56.7	7 6.5	2.21	3 3	1.5	11 16	3.0
15	21 32 9	141	−19 40.8	+10.0	57.6	7 59.2	2.18	3 36	1.2	12 31	3.2
16	22 28 10	139	−15 6.0	+12.8	58.6	8 51.1	2.15	4 3	1.0	13 51	3.4
17	23 23 28	138	− 9 29.9	+15.1	59.6	9 42.4	2.13	4 25	0.9	15 13	3.5
18	0 18 38	138	− 3 10.0	+16.4	60.4	10 33.4	2.14	4 45	0.8	16 38	3.5
19	1 14 31	142	+ 3 30.8	+16.8	61.0	11 25.3	2.19	5 5	0.8	18 3	3.6
20	2 12 8	147	+10 5.3	+15.9	61.3	12 18.8	2.27	5 25	0.9	19 32	3.7
21	3 12 17	154	+16 2.7	+13.7	61.2	13 14.8	2.40	5 48	1.1	21 1	3.7
22	4 15 17	161	+20 52.3	+10.3	60.8	14 13.7	2.51	6 16	1.3	22 28	3.5
23	5 20 31	165	+24 8.3	+ 6.0	60.1	15 14.8	2.57	6 52	1.7	23 49	3.1
24	6 26 22	164	+25 35.8	+ 1.3	59.3	16 16.6	2.55	7 39	2.2	—	—
25	7 30 41	157	+25 14.2	− 3.0	58.4	17 16.9	2.45	8 38	2.7	0 56	2.5
26	8 31 39	147	+23 16.1	− 6.7	57.5	18 13.6	2.28	9 47	3.0	1 49	1.9
27	9 28 21	136	+20 0.9	− 9.4	56.6	19 6.2	2.10	11 0	3.1	2 28	1.4
28	10 20 52	127	+15 49.7	−11.4	55.9	19 54.7	1.94	12 14	3.0	2 57	1.1
29	11 9 53	119	+11 0.8	−12.6	55.3	20 39.6	1.81	13 26	3.0	3 19	0.9
30	11 56 21	114	+ 5 49.8	−13.2	54.8	21 22.1	1.73	14 36	2.9	3 38	0.7
Mai 1	12 41 18	111	+ 0 29.3	−13.4	54.4	22 3.0	1.69	15 44	2.8	3 53	0.6
2	13 25 45	111	− 4 49.3	−13.1	54.2	22 43.4	1.69	16 51	2.8	4 9	0.6

Tag		0ʰ Welt-Zeit: Scheinbare Rektaszension		Scheinbare Deklination		Parallaxe		Halbmesser		Länge	Breite
1928		h m s	m s	° ′	° ′	′ ″	″	′ ″	″	°	°
Mai	2	12 44 50	43 13	+ 0 3.9	5 9.4	54 25.6	14.6	14 51.3	4.0	190.276	+4.495
	3	13 28 3	43 38	− 5 5.5	4 56.9	54 11.0	8.9	14 47.3	2.4	202.251	+3.849
	4	14 11 41	44 48	−10 2.4	4 34.2	54 2.1	3.7	14 44.9	1.0	214.136	+3.039
	5	14 56 29	46 32	−14 36.6	4 0.9	53 58.4	1.7	14 43.9	0.4	225.963	+2.101
	6	15 43 1	48 39	−18 37.5	3 16.6	54 0.1	7.1	14 44.3	2.0	237.767	+1.073
	7	16 31 40	50 50	−21 54.1	2 21.5	54 7.2	13.1	14 46.3	3.5	249.584	−0.005
	8	17 22 30	52 43	−24 15.6	1 16.8	54 20.3	19.5	14 49.8	5.4	261.457	−1.089
	9	18 15 13	53 58	−25 32.4	0 4.8	54 39.8	26.7	14 55.2	7.2	273.434	−2.136
	10	19 9 11	54 22	−25 37.2	1 10.5	55 6.5	34.0	15 2.4	9.3	285.572	−3.102
	11	20 3 33	54 0	−24 26.7	2 25.2	55 40.5	41.4	15 11.7	11.3	297.934	−3.942
	12	20 57 33	53 7	−22 1.5	3 34.9	56 21.9	47.9	15 23.0	13.0	310.583	−4.612
	13	21 50 40	52 13	−18 26.6	4 36.5	57 9.8	52.8	15 36.0	14.4	323.583	−5.068
	14	22 42 53	51 38	−13 50.1	5 26.8	58 2.6	54.6	15 50.4	14.9	336.987	−5.267
	15	23 34 31	51 46	− 8 23.3	6 2.8	58 57.2	52.3	16 5.3	14.2	350.827	−5.172
	16	0 26 17	52 50	− 2 20.5	6 20.6	59 49.5	44.8	16 19.5	12.2	5.103	−4.761
	17	1 19 7	54 54	+ 4 0.1	6 16.0	60 34.3	31.8	16 31.7	8.7	19.775	−4.032
	18	2 14 1	57 49	+10 16.1	5 44.7	61 6.1	14.4	16 40.4	3.9	34.754	−3.015
	19	3 11 50	61 6	+16 0.8	4 44.6	61 20.5	5.3	16 44.3	1.4	49.911	−1.775
	20	4 12 56	63 50	+20 45.4	3 18.1	61 15.2	24.5	16 42.9	6.7	65.092	−0.407
	21	5 16 46	65 2	+24 3.5	1 34.4	60 50.7	40.3	16 36.2	11.0	80.139	+0.979
	22	6 21 48	63 59	+25 37.9	0 13.0	60 10.4	51.3	16 25.2	14.0	94.914	+2.275
	23	7 25 47	60 54	+25 24.9	1 50.0	59 19.1	56.5	16 11.2	15.3	109.317	+3.392
	24	8 26 41	56 43	+23 34.9	3 7.8	58 22.6	56.7	15 55.9	15.5	123.291	+4.273
	25	9 23 24	52 22	+20 27.1	4 4.4	57 25.9	52.8	15 40.4	14.4	136.824	+4.884
	26	10 15 46	48 36	+16 22.7	4 41.7	56 33.1	46.2	15 26.0	12.6	149.937	+5.219
	27	11 4 22	45 47	+11 41.0	5 3.4	55 46.9	38.1	15 13.4	10.3	162.675	+5.285
	28	11 50 9	43 59	+ 6 37.6	5 12.6	55 8.8	29.4	15 3.1	8.1	175.100	+5.100
	29	12 34 8	43 12	+ 1 25.0	5 11.5	54 39.4	20.8	14 55.0	5.6	187.277	+4.687
	30	13 17 20	43 20	− 3 46.5	5 0.9	54 18.6	12.8	14 49.4	3.5	199.273	+4.075
	31	14 0 40	44 19	− 8 47.4	4 41.0	54 5.8	5.5	14 45.9	1.5	211.149	+3.292
Juni	1	14 44 59	46 1	−13 28.4	4 10.9	54 0.3	1.0	14 44.4	0.3	222.962	+2.373
	2	15 31 0	48 10	−17 39.3	3 29.8	54 1.3	6.7	14 44.7	1.8	234.763	+1.353
	3	16 19 10	50 29	−21 9.1	2 37.4	54 8.0	11.7	14 46.5	3.2	246.594	+0.272
	4	17 9 39	52 34	−23 46.5	1 34.3	54 19.7	16.5	14 49.7	4.5	258.496	−0.827
	5	18 2 13	53 59	−25 20.8	0 23.0	54 36.2	21.1	14 54.2	5.7	270.503	−1.898
	6	18 56 12	54 27	−25 43.8	0 52.5	54 57.3	25.8	14 59.9	7.0	282.650	−2.896
	7	19 50 39	53 58	−24 51.3	2 7.1	55 23.1	30.7	15 6.9	8.4	294.972	−3.773
	8	20 44 37	52 50	−22 44.2	3 16.6	55 53.8	35.5	15 15.3	9.7	307.503	−4.486
	9	21 37 27	51 31	−19 27.6	4 17.1	56 29.3	40.2	15 25.0	10.9	320.283	−4.992
	10	22 28 58	50 28	−15 10.5	5 6.5	57 9.5	43.9	15 35.9	12.0	333.346	−5.254
	11	23 19 26	50 5	−10 4.0	5 43.1	57 53.4	45.8	15 47.9	12.5	346.728	−5.242
	12	0 9 31		− 4 20.9		58 39.2		16 0.4		0.451	−4.935

Tag	Obere Kulmination in Greenwich: AR.	Änderung für 1h westl. Länge	Dekl.	Änderung für 1h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1h westl. Länge	0h Länge, +50° Breite: Aufgang	Änderung für 1h westl. Länge	Untergang	Änderung für 1h westl. Länge
1928	h m s	s	° ′	′	′	h m	m	h m	m	h m	m
Mai 2	13 25 45	111	− 4 49.3	−13.1	54.2	22 43.4	1.69	16 51	2.8	4 9	0.6
3	14 10 36	113	− 9 55.3	−12.3	54.0	23 24.2	1.72	17 58	2.8	4 23	0.6
4	—	—	—	—	—	—	—	19 5	2.8	4 39	0.7
5	14 56 41	117	−14 37.8	−11.1	54.0	0 6.2	1.78	20 14	2.8	4 57	0.8
6	15 44 40	123	−18 45.2	− 9.4	54.0	0 50.1	1.88	21 21	2.8	5 18	0.9
7	16 35 0	129	−22 5.4	− 7.2	54.1	1 36.4	1.98	22 27	2.6	5 45	1.3
8	17 27 44	135	−24 26.4	− 4.5	54.4	2 25.0	2.07	23 27	2.3	6 19	1.6
9	18 22 30	139	−25 37.4	− 1.4	54.7	3 15.7	2.14	—	—	7 3	2.0
10	19 18 32	141	−25 30.5	+ 2.0	55.2	4 7.6	2.18	0 20	2.0	7 57	2.5
11	20 14 51	140	−24 2.5	+ 5.3	55.8	4 59.9	2.16	1 3	1.6	9 2	2.8
12	21 10 36	138	−21 15.2	+ 8.5	56.6	5 51.6	2.13	1 38	1.3	10 13	3.1
13	22 5 21	135	−17 15.1	+11.4	57.4	6 42.2	2.09	2 5	1.0	11 29	3.2
14	22 59 7	134	−12 12.4	+13.7	58.3	7 31.9	2.06	2 28	0.9	12 48	3.3
15	23 52 29	134	− 6 20.3	+15.5	59.3	8 21.2	2.06	2 48	0.8	14 8	3.4
16	0 46 19	136	+ 0 4.1	+16.4	60.1	9 11.0	2.10	3 7	0.8	15 31	3.5
17	1 41 47	142	+ 6 39.4	+16.3	60.8	10 2.3	2.19	3 26	0.8	16 57	3.6
18	2 39 59	150	+12 58.9	+15.1	61.3	10 56.5	2.32	3 47	1.0	18 25	3.7
19	3 41 44	159	+18 31.3	+12.4	61.3	11 54.1	2.48	4 12	1.2	19 55	3.7
20	4 47 2	167	+22 44.2	+ 8.5	61.1	12 55.3	2.61	4 44	1.5	21 22	3.4
21	5 54 38	170	+25 11.7	+ 3.7	60.5	13 58.8	2.66	5 26	2.0	22 39	2.9
22	7 2 9	166	+25 41.9	− 1.2	59.7	15 2.2	2.60	6 21	2.6	23 40	2.2
23	8 6 56	157	+24 21.0	− 5.4	58.7	16 2.8	2.44	7 29	3.0	—	—
24	9 7 17	145	+21 28.8	− 8.7	57.7	16 59.1	2.24	8 43	3.1	0 26	1.7
25	10 2 43	133	+17 29.7	−11.0	56.8	17 50.5	2.04	10 0	3.1	1 0	1.2
26	10 53 46	123	+12 46.4	−12.4	55.9	18 37.3	1.88	11 14	3.0	1 25	0.9
27	11 41 27	116	+ 7 37.4	−13.2	55.3	19 21.1	1.76	12 26	2.9	1 45	0.8
28	12 26 58	112	+ 2 16.7	−13.4	54.7	20 2.4	1.70	13 35	2.8	2 2	0.7
29	13 11 26	111	− 3 4.3	−13.2	54.3	20 42.9	1.68	14 42	2.8	2 17	0.6
30	13 55 55	112	− 8 15.5	−12.6	54.1	21 23.3	1.70	15 49	2.8	2 31	0.6
31	14 41 23	116	−13 6.9	−11.6	54.0	22 4.7	1.76	16 56	2.8	2 46	0.7
Juni 1	15 28 39	121	−17 27.6	−10.1	54.0	22 48.0	1.84	18 4	2.8	3 4	0.8
2	16 18 15	127	−21 5.7	− 8.0	54.1	23 33.5	1.95	19 12	2.8	3 24	0.9
3	—	—	—	—	—	—	—	20 18	2.7	3 48	1.2
4	17 10 26	134	−23 48.4	− 5.5	54.3	0 21.6	2.06	21 21	2.5	4 20	1.5
5	18 4 54	139	−25 23.7	− 2.4	54.6	1 12.0	2.13	22 17	2.1	5 0	1.9
6	19 0 53	141	−25 42.3	+ 0.9	55.0	2 3.9	2.18	23 3	1.7	5 52	2.4
7	19 57 18	141	−24 39.7	+ 4.3	55.4	2 56.2	2.17	23 40	1.4	6 53	2.7
8	20 53 4	138	−22 17.5	+ 7.5	56.0	3 47.9	2.13	—	—	8 2	3.0
9	21 47 30	134	−18 42.3	+10.3	56.6	4 38.3	2.07	0 10	1.1	9 16	3.1
10	22 40 30	131	−14 4.8	+12.7	57.3	5 27.2	2.01	0 33	0.9	10 32	3.2
11	23 32 29	129	− 8 37.6	+14.5	58.1	6 15.1	1.99	0 54	0.8	11 50	3.3
12	0 24 18	130	− 2 35.2	+15.6	58.9	7 2.9	2.00	1 12	0.7	13 9	3.3

Tag	Scheinbare Rektaszension		Scheinbare Deklination		Parallaxe		Halbmesser		Länge	Breite
	0h Welt-Zeit									
1928	h m s	m s	° ′	° ′	′ ″	″	′ ″	″	°	°
Juni 12	0 9 31	50 40	− 4 20.9	6 4.9	58 39.2	44.8	16 0.4	12.2	0.451	−4.935
13	1 0 11	52 17	+ 1 44.0	6 8.7	59 24.0	40.3	16 12.6	10.9	14.523	−4.329
14	1 52 28	55 1	+ 7 52.7	5 50.9	60 4.3	31.1	16 23.5	8.5	28.928	−3.440
15	2 47 29	58 31	+13 43.6	5 7.4	60 35.4	17.8	16 32.0	4.9	43.615	−2.311
16	3 46 0	62 8	+18 51.0	3 56.4	60 53.2	1.4	16 36.9	0.4	58.504	−1.011
17	4 48 8	64 50	+22 47.4	2 21.6	60 54.6	16.1	16 37.3	4.4	73.479	+0.365
18	5 52 58	65 29	+25 9.0	0 33.5	60 38.5	32.2	16 32.9	8.8	88.408	+1.711
19	6 58 27	63 40	+25 42.5	1 12.9	60 6.3	44.9	16 24.1	12.2	103.156	+2.924
20	8 2 7	59 57	+24 29.6	2 43.9	59 21.4	52.5	16 11.9	14.3	117.604	+3.923
21	9 2 4	55 26	+21 45.7	3 52.5	58 28.9	55.2	15 57.6	15.1	131.669	+4.655
22	9 57 30	51 7	+17 53.2	4 38.2	57 33.7	53.3	15 42.5	14.5	145.303	+5.098
23	10 48 37	47 36	+13 15.0	5 4.7	56 40.4	47.8	15 28.0	13.0	158.504	+5.254
24	11 36 13	45 9	+ 8 10.3	5 16.2	55 52.6	40.0	15 15.0	10.9	171.301	+5.140
25	12 21 22	43 46	+ 2 54.1	5 16.1	55 12.6	30.8	15 4.1	8.4	183.747	+4.786
26	13 5 8	43 27	− 2 22.0	5 6.3	54 41.8	21.0	14 55.7	5.7	195.915	+4.222
27	13 48 35	44 4	− 7 28.3	4 47.6	54 20.8	11.6	14 50.0	3.2	207.881	+3.482
28	14 32 39	45 29	−12 15.9	4 19.8	54 9.2	2.7	14 46.8	0.7	219.725	+2.600
29	15 18 8	47 34	−16 35.7	3 41.7	54 6.5	5.3	14 46.1	1.4	231.522	+1.612
30	16 5 42	49 58	−20 17.4	2 52.4	54 11.8	11.9	14 47.5	3.3	243.342	+0.553
Juli 1	16 55 40	52 18	−23 9.8	1 51.9	54 23.7	17.4	14 50.8	4.7	255.243	−0.534
2	17 47 58	54 6	−25 1.7	0 41.8	54 41.1	21.7	14 55.5	5.9	267.274	−1.608
3	18 42 4	54 55	−25 43.5	0 34.4	55 2.8	25.0	15 1.4	6.8	279.473	−2.621
4	19 36 59	54 41	−25 9.1	1 51.2	55 27.8	27.4	15 8.2	7.5	291.865	−3.525
5	20 31 40	53 32	−23 17.9	3 3.2	55 55.2	29.3	15 15.7	8.0	304.469	−4.273
6	21 25 12	51 59	−20 14.7	4 5.9	56 24.5	31.0	15 23.7	8.4	317.292	−4.819
7	22 17 11	50 31	−16 8.8	4 56.1	56 55.5	32.2	15 32.1	8.8	330.341	−5.127
8	23 7 42	49 36	−11 12.7	5 32.8	57 27.7	33.1	15 40.9	9.0	343.616	−5.168
9	23 57 18	49 30	− 5 39.9	5 54.7	58 0.8	33.1	15 49.9	9.0	357.120	−4.926
10	0 46 48	50 28	+ 0 14.8	6 0.4	58 33.9	31.7	15 58.9	8.7	10.854	−4.401
11	1 37 16	52 31	+ 6 15.2	5 47.7	59 5.6	28.3	16 7.6	7.7	24.814	−3.609
12	2 29 47	55 33	+12 2.9	5 13.7	59 33.9	22.2	16 15.3	6.0	38.991	−2.587
13	3 25 20	59 10	+17 16.6	4 16.1	59 56.1	13.2	16 21.3	3.6	53.363	−1.388
14	4 24 30	62 29	+21 32.7	2 54.5	60 9.3	1.6	16 24.9	0.5	67.885	−0.090
15	5 26 59	64 29	+24 27.2	1 14.9	60 10.9	11.5	16 25.4	3.2	82.490	+1.219
16	6 31 28	64 16	+25 42.1	0 31.5	59 59.4	24.6	16 22.2	6.7	97.090	+2.446
17	7 35 44	61 49	+25 10.6	2 10.6	59 34.8	35.9	16 15.5	9.7	111.581	+3.503
18	8 37 33	57 54	+23 0.0	3 31.0	58 58.9	44.0	16 5.8	12.1	125.858	+4.322
19	9 35 27	53 37	+19 29.0	4 28.4	58 14.9	48.3	15 53.7	13.1	139.830	+4.862
20	10 29 4	49 46	+15 0.6	5 3.7	57 26.6	48.4	15 40.6	13.2	153.432	+5.109
21	11 18 50	46 48	+ 9 56.9	5 20.7	56 38.2	44.8	15 27.4	12.2	166.638	+5.074
22	12 5 38	44 53	+ 4 36.2	5 23.2	55 53.4	38.4	15 15.2	10.5	179.455	+4.783
23	12 50 31		− 0 47.0		55 15.0		15 4.7		191.921	+4.269

Tag	Obere Kulmination in Greenwich: AR.	Änderung für 1h westl. Länge	Dekl.	Änderung für 1h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1h westl. Länge	0h Länge, + 50° Breite: Aufgang	Änderung für 1h westl. Länge	Untergang	Änderung für 1h westl. Länge
1928	h m s	s	° ′	′	′	h m	m	h m	m	h m	m
Juni 12	0 24 18	130	− 2 35.2	+15.6	58.9	7 2.9	2.00	1 12	0.7	13 9	3.3
13	1 17 4	134	+ 3 45.3	+16.0	59.6	7 51.5	2.07	1 30	0.8	14 30	3.4
14	2 12 4	141	+10 3.4	+15.4	60.3	8 42.5	2.18	1 49	0.9	15 54	3.6
15	3 10 28	151	+15 53.5	+13.6	60.7	9 36.8	2.35	2 11	1.0	17 22	3.6
16	4 12 59	162	+20 45.6	+10.5	60.9	10 35.2	2.52	2 38	1.3	18 49	3.5
17	5 19 18	169	+24 9.0	+ 6.3	60.8	11 37.4	2.65	3 15	1.8	20 12	3.2
18	6 27 41	171	+25 40.5	+ 1.3	60.4	12 41.6	2.68	4 3	2.3	21 23	2.6
19	7 35 18	166	+25 13.0	− 3.5	59.7	13 45.1	2.59	5 6	2.8	22 18	2.0
20	8 39 30	155	+22 58.2	− 7.5	58.8	14 45.2	2.41	6 19	3.2	22 57	1.4
21	9 38 47	142	+19 20.2	−10.4	57.9	15 40.4	2.19	7 38	3.3	23 27	1.1
22	10 33 5	130	+14 45.5	−12.3	56.9	16 30.7	2.00	8 56	3.2	23 49	0.8
23	11 23 11	121	+ 9 37.4	−13.3	56.1	17 16.7	1.85	10 10	3.0	—	—
24	12 10 14	115	+ 4 13.6	−13.6	55.4	17 59.7	1.74	11 22	2.9	0 7	0.7
25	12 55 30	112	− 1 12.5	−13.5	54.8	18 40.9	1.70	12 30	2.8	0 24	0.6
26	13 40 10	112	− 6 30.2	−12.9	54.4	19 21.4	1.69	13 38	2.8	0 38	0.6
27	14 25 18	114	−11 30.2	−12.0	54.2	20 2.6	1.74	14 45	2.8	0 53	0.7
28	15 11 52	119	−16 2.5	−10.6	54.1	20 45.1	1.81	15 52	2.8	1 10	0.7
29	16 0 38	125	−19 56.3	− 8.8	54.2	21 29.8	1.92	17 0	2.8	1 28	0.9
30	16 52 1	132	−22 59.3	− 6.4	54.4	22 17.1	2.03	18 8	2.8	1 51	1.1
Juli 1	17 46 1	138	−24 58.8	− 3.5	54.7	23 7.0	2.13	19 13	2.6	2 20	1.4
2	18 42 1	142	−25 43.5	− 0.2	55.0	23 58.9	2.19	20 12	2.3	2 58	1.8
3	—	—	—	—	—	—		21 2	1.9	3 46	2.2
4	19 38 58	142	−25 6.4	+ 3.3	55.5	0 51.8	2.20	21 42	1.5	4 45	2.6
5	20 35 35	140	−23 6.9	+ 6.6	56.0	1 44.3	2.17	22 13	1.2	5 53	2.9
6	21 30 54	136	−19 50.9	+ 9.6	56.5	2 35.6	2.10	22 39	1.0	7 6	3.1
7	22 24 28	132	−15 29.4	+12.1	57.0	3 25.1	2.03	23 0	0.8	8 22	3.2
8	23 16 28	129	−10 16.4	+13.9	57.6	4 13.0	1.97	23 18	0.7	9 39	3.2
9	0 7 35	127	− 4 27.2	+15.1	58.1	5 0.0	1.96	23 36	0.7	10 56	3.2
10	0 58 50	129	+ 1 41.8	+15.6	58.7	5 47.2	1.98	23 54	0.8	12 14	3.3
11	1 51 27	134	+ 7 52.8	+15.2	59.2	6 35.8	2.07	—	—	13 35	3.4
12	2 46 40	142	+13 44.9	+13.9	59.7	7 26.9	2.20	0 14	0.9	14 58	3.5
13	3 45 32	152	+18 53.6	+11.6	60.0	8 21.7	2.37	0 38	1.1	16 24	3.5
14	4 48 28	162	+22 51.5	+ 8.1	60.2	9 20.5	2.53	1 9	1.5	17 47	3.3
15	5 54 44	168	+25 12.6	+ 3.6	60.1	10 22.6	2.64	1 50	2.0	19 2	2.9
16	7 2 16	168	+25 40.2	− 1.3	59.8	11 26.0	2.63	2 45	2.6	20 4	2.3
17	8 8 16	161	+24 14.1	− 5.8	59.3	12 28.0	2.51	3 54	3.0	20 51	1.7
18	9 10 30	150	+21 10.3	− 9.4	58.6	13 26.1	2.32	5 11	3.3	21 25	1.2
19	10 7 57	138	+16 54.2	−11.8	57.8	14 19.4	2.13	6 31	3.3	21 50	1.0
20	11 0 51	127	+11 51.9	−13.2	56.9	15 8.3	1.95	7 49	3.2	22 11	0.8
21	11 50 5	120	+ 6 25.5	−13.8	56.1	15 53.4	1.82	9 4	3.0	22 28	0.7
22	12 36 49	115	+ 0 52.2	−13.8	55.4	16 36.1	1.74	10 15	2.9	22 44	0.6
23	13 22 15	113	− 4 35.2	−13.4	54.9	17 17.5	1.71	11 24	2.9	22 58	0.6

Tag		0ʰ Welt-Zeit									
		Scheinbare Rektaszension		Scheinbare Deklination		Parallaxe		Halbmesser		Länge	Breite
1928		h m s	m s	° ′	° ′	′ ″	″	′ ″	″	°	°
Juli	23	12 50 31	44 1	− 0 47.0	5 14.7	55 15.0	29.9	15 4.7	8.1	191.921	+4.269
	24	13 34 32	44 8	− 6 1.7	4 56.7	54 45.1	20.2	14 56.6	5.5	204.099	+3.572
	25	14 18 40	45 10	−10 58.4	4 29.8	54 24.9	10.1	14 51.1	2.7	216.067	+2.728
	26	15 3 50	46 56	−15 28.2	3 53.7	54 14.8	0.0	14 48.4	0.1	227.910	+1.776
	27	15 50 46	49 12	−19 21.9	3 7.3	54 14.8	9.2	14 48.3	2.6	239.716	+0.751
	28	16 39 58	51 37	−22 29.2	2 10.1	54 24.0	17.4	14 50.9	4.7	251.570	−0.309
	29	17 31 35	53 45	−24 39.3	1 2.4	54 41.4	23.9	14 55.6	6.5	263.546	−1.364
	30	18 25 20	55 5	−25 41.7	0 13.1	55 5.3	28.7	15 2.1	7.8	275.710	−2.371
	31	19 20 25	55 22	−25 28.6	1 31.8	55 34.0	31.5	15 9.9	8.6	288.109	−3.283
Aug.	1	20 15 47	54 36	−23 56.8	2 47.9	56 5.5	32.4	15 18.5	8.8	300.770	−4.051
	2	21 10 23	53 11	−21 8.9	3 55.8	56 37.9	31.7	15 27.3	8.7	313.704	−4.629
	3	22 3 34	51 37	−17 13.1	4 51.0	57 9.6	29.7	15 36.0	8.1	326.899	−4.972
	4	22 55 11	50 21	−12 22.1	5 31.3	57 39.3	26.8	15 44.1	7.2	340.328	−5.049
	5	23 45 32	49 47	− 6 50.8	5 55.0	58 6.1	23.4	15 51.3	6.4	353.955	−4.844
	6	0 35 19	50 9	− 0 55.8	6 1.6	58 29.5	19.9	15 57.7	5.5	7.742	−4.356
	7	1 25 28	51 33	+ 5 5.8	5 49.9	58 49.4	16.1	16 3.2	4.3	21.655	−3.608
	8	2 17 1	53 55	+10 55.7	5 18.6	59 5.5	12.0	16 7.5	3.3	35.668	−2.637
	9	3 10 56	56 57	+16 14.3	4 26.4	59 17.5	7.1	16 10.8	1.9	49.760	−1.501
	10	4 7 53	60 4	+20 40.7	3 13.2	59 24.6	1.3	16 12.7	0.4	63.917	−0.268
	11	5 7 57	62 24	+23 53.9	1 42.3	59 25.9	5.7	16 13.1	1.5	78.119	+0.985
	12	6 10 21	63 4	+25 36.2	0 1.5	59 20.2	13.5	16 11.6	3.7	92.335	+2.175
	13	7 13 25	61 42	+25 37.7	1 37.7	59 6.7	21.8	16 7.9	6.0	106.520	+3.226
	14	8 15 7	58 43	+24 0.0	3 4.2	58 44.9	29.3	16 1.9	8.0	120.613	+4.071
	15	9 13 50	54 57	+20 55.8	4 10.9	58 15.6	35.5	15 53.9	9.6	134.541	+4.661
	16	10 8 47	51 15	+16 44.9	4 55.9	57 40.1	39.3	15 44.3	10.7	148.236	+4.970
	17	11 0 2	48 9	+11 49.0	5 21.0	57 0.8	40.2	15 33.6	11.0	161.639	+4.997
	18	11 48 11	45 57	+ 6 28.0	5 29.4	56 20.6	38.2	15 22.6	10.4	174.714	+4.757
	19	12 34 8	44 45	+ 0 58.6	5 24.2	55 42.4	33.6	15 12.2	9.1	187.453	+4.284
	20	13 18 53	44 27	− 4 25.6	5 8.1	55 8.8	26.5	15 3.1	7.3	199.878	+3.616
	21	14 3 20	45 5	− 9 33.7	4 42.4	54 42.3	17.8	14 55.8	4.8	212.035	+2.794
	22	14 48 25	46 26	−14 16.1	4 7.4	54 24.5	8.0	14 51.0	2.2	223.992	+1.861
	23	15 34 51	48 24	−18 23.5	3 23.0	54 16.5	2.3	14 48.8	0.6	235.828	+0.855
	24	16 23 15	50 39	−21 46.5	2 28.6	54 18.8	12.5	14 49.4	3.4	247.635	−0.185
	25	17 13 54	52 51	−24 15.1	1 24.3	54 31.3	22.0	14 52.8	6.0	259.503	−1.222
	26	18 6 45	54 30	−25 39.4	0 11.4	54 53.3	30.1	14 58.8	8.2	271.521	−2.216
	27	19 1 15	55 17	−25 50.8	1 6.8	55 23.4	36.3	15 7.0	9.9	283.768	−3.126
	28	19 56 32	55 6	−24 44.0	2 25.3	55 59.7	40.0	15 16.9	10.9	296.308	−3.907
	29	20 51 38	54 8	−22 18.7	3 38.7	56 39.7	40.8	15 27.8	11.1	309.183	−4.509
	30	21 45 46	52 49	−18 40.0	4 41.4	57 20.5	38.5	15 38.9	10.5	322.407	−4.889
	31	22 38 35	51 36	−13 58.6	5 29.6	57 59.0	33.5	15 49.4	9.2	335.962	−5.005
Sept.	1	23 30 11	50 56	− 8 29.0	6 0.5	58 32.5	26.4	15 58.6	7.1	349.803	−4.834
	2	0 21 7		− 2 28.5		58 58.9		16 5.7		3.860	−4.369

Tag	Obere Kulmination in Greenwich: AR.	Änderung für 1h westl. Länge	Dekl.	Änderung für 1h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1h westl. Länge	0h Länge, + 50° Breite: Aufgang	Änderung für 1h westl. Länge	Untergang	Änderung für 1h westl. Länge
1928	h m s	s	° '	'	'	h m	m	h m	m	h m	m
Juli 23	13 22 15	113	− 4 35.2	−13.4	54.9	17 17.5	1.71	11 24	2.9	22 58	0.6
24	14 7 32	114	− 9 46.1	−12.5	54.5	17 58.7	1.73	12 32	2.8	23 14	0.7
25	14 53 42	117	−14 31.2	−11.2	54.3	18 40.8	1.79	13 40	2.8	23 32	0.8
26	15 41 38	123	−18 40.5	− 9.5	54.2	19 24.7	1.87	14 48	2.8	23 53	1.0
27	16 31 59	129	−22 3.0	− 7.3	54.4	20 11.0	1.98	15 56	2.8	—	—
28	17 25 0	136	−24 26.5	− 4.6	54.6	20 59.9	2.09	17 2	2.6	0 20	1.3
29	18 20 28	141	−25 39.1	− 1.4	55.0	21 51.3	2.18	18 3	2.4	0 54	1.6
30	19 17 30	144	−25 31.3	+ 2.1	55.5	22 44.2	2.22	18 57	2.0	1 38	2.1
31	20 14 55	143	−23 58.8	+ 5.6	56.1	23 37.6	2.21	19 40	1.6	2 34	2.5
Aug. 1	—	—	—	—	—	—	—	20 15	1.3	3 40	2.9
2	21 11 31	140	−21 4.6	+ 8.9	56.6	0 30.1	2.16	20 43	1.0	4 53	3.1
3	22 6 31	135	−16 58.1	+11.6	57.2	1 21.0	2.09	21 5	0.9	6 10	3.2
4	22 59 46	131	−11 53.5	+13.7	57.7	2 10.2	2.02	21 24	0.8	7 27	3.2
5	23 51 42	129	− 6 7.9	+15.0	58.2	2 58.0	1.98	21 42	0.7	8 46	3.3
6	0 43 7	129	+ 0 0.8	+15.6	58.5	3 45.4	1.98	22 0	0.7	10 4	3.3
7	1 35 7	132	+ 6 13.7	+15.3	58.9	4 33.3	2.02	22 18	0.8	11 24	3.4
8	2 28 53	138	+12 10.6	+14.2	59.1	5 23.0	2.12	22 40	1.0	12 45	3.4
9	3 25 28	146	+17 29.7	+12.2	59.3	6 15.5	2.26	23 8	1.3	14 8	3.5
10	4 25 34	155	+21 47.2	+ 9.1	59.4	7 11.5	2.41	23 44	1.8	15 31	3.3
11	5 29 2	162	+24 39.7	+ 5.1	59.4	8 10.8	2.53	—	—	16 48	3.0
12	6 34 34	165	+25 48.9	+ 0.6	59.3	9 12.3	2.58	0 33	2.3	17 53	2.4
13	7 39 59	161	+25 7.7	− 4.0	59.0	10 13.6	2.52	1 35	2.8	18 44	1.9
14	8 42 59	153	+22 43.7	− 7.9	58.5	11 12.5	2.38	2 48	3.2	19 22	1.4
15	9 42 5	142	+18 56.1	−10.9	58.0	12 7.5	2.20	4 7	3.3	19 51	1.1
16	10 36 55	132	+14 9.3	−12.8	57.3	12 58.2	2.03	5 26	3.2	20 14	0.9
17	11 27 57	124	+ 8 47.0	−13.9	56.6	13 45.2	1.89	6 43	3.1	20 32	0.7
18	12 16 8	118	+ 3 9.2	−14.2	56.0	14 29.3	1.79	7 56	3.0	20 48	0.6
19	13 2 33	115	− 2 28.0	−13.9	55.3	15 11.6	1.74	9 7	2.9	21 3	0.6
20	13 48 17	114	− 7 52.0	−13.1	54.8	15 53.3	1.74	10 16	2.9	21 18	0.7
21	14 34 23	116	−12 52.2	−11.9	54.5	16 35.4	1.77	11 25	2.9	21 35	0.8
22	15 21 44	121	−17 18.6	−10.3	54.3	17 18.7	1.84	12 33	2.9	21 55	0.9
23	16 11 5	126	−21 1.0	− 8.2	54.3	18 4.0	1.94	13 42	2.8	22 19	1.1
24	17 2 52	133	−23 48.4	− 5.7	54.5	18 51.7	2.04	14 49	2.7	22 50	1.5
25	17 57 8	138	−25 29.5	− 2.7	54.8	19 41.9	2.13	15 52	2.5	23 29	1.9
26	18 53 23	142	−25 53.9	+ 0.7	55.3	20 34.0	2.20	16 48	2.2	—	—
27	19 50 39	144	−24 54.9	+ 4.2	55.9	21 27.2	2.22	17 36	1.8	0 20	2.4
28	20 47 50	142	−22 31.2	+ 7.7	56.6	22 20.3	2.20	18 14	1.4	1 22	2.8
29	21 44 0	139	−18 48.3	+10.8	57.3	23 12.4	2.14	18 44	1.1	2 33	3.1
30	—	—	—	—	—	—	—	19 9	0.9	3 50	3.2
31	22 38 41	135	−13 58.0	+13.3	58.0	0 3.0	2.08	19 29	0.8	5 9	3.3
Sept. 1	23 32 2	132	− 8 16.3	+15.0	58.6	0 52.3	2.03	19 47	0.7	6 29	3.4
2	0 24 40	131	− 2 2.6	+15.9	59.0	1 40.8	2.02	20 5	0.7	7 50	3.4

Tag		0ʰ Welt-Zeit: Scheinbare Rektaszension		Scheinbare Deklination		Parallaxe		Halbmesser		Länge	Breite
1928		h m s	m s	° ′	° ′	′ ″	″	′ ″	″	°	°
Sept.	2	0 21 7	51 1	− 2 28.5	6 12.0	58 58.9	18.0	16 5.7	5.0	3.860	−4.369
	3	1 12 8	52 4	+ 3 43.5	6 3.2	59 16.9	9.5	16 10.7	2.5	18.054	−3.631
	4	2 4 12	53 58	+ 9 46.7	5 33.2	59 26.4	1.6	16 13.2	0.5	32.307	−2.662
	5	2 58 10	56 31	+15 19.9	4 41.8	59 28.0	5.0	16 13.7	1.4	46.557	−1.526
	6	3 54 41	59 13	+20 1.7	3 30.2	59 23.0	10.5	16 12.3	2.9	60.758	−0.296
	7	4 53 54	61 18	+23 31.9	2 2.1	59 12.5	14.9	16 9.4	4.0	74.883	+0.945
	8	5 55 12	62 0	+25 34.0	0 24.6	58 57.6	18.6	16 5.4	5.1	88.916	+2.122
	9	6 57 12	60 57	+25 58.6	1 12.8	58 39.0	22.0	16 0.3	6.0	102.848	+3.163
	10	7 58 9	58 25	+24 45.8	2 40.3	58 17.0	25.1	15 54.3	6.8	116.665	+4.008
	11	8 56 34	55 2	+22 5.5	3 51.1	57 51.9	28.0	15 47.5	7.6	130.345	+4.613
	12	9 51 36	51 35	+18 14.4	4 42.5	57 23.9	30.4	15 39.9	8.3	143.858	+4.951
	13	10 43 11	48 37	+13 31.9	5 14.9	56 53.5	31.8	15 31.6	8.7	157.171	+5.013
	14	11 31 48	46 25	+ 8 17.0	5 30.0	56 21.7	32.0	15 22.9	8.7	170.250	+4.810
	15	12 18 13	45 5	+ 2 47.0	5 30.6	55 49.7	30.3	15 14.2	8.2	183.072	+4.364
	16	13 3 18	44 39	− 2 43.6	5 18.6	55 19.4	26.7	15 6.0	7.3	195.629	+3.713
	17	13 47 57	45 0	− 8 2.2	4 55.6	54 52.7	21.4	14 58.7	5.9	207.933	+2.897
	18	14 32 57	46 7	−12 57.8	4 22.5	54 31.3	14.1	14 52.8	3.8	220.016	+1.962
	19	15 19 4	47 46	−17 20.3	3 39.8	54 17.2	5.5	14 49.0	1.5	231.929	+0.951
	20	16 6 50	49 47	−21 0.1	2 47.5	54 11.7	4.1	14 47.5	1.1	243.740	−0.095
	21	16 56 37	51 47	−23 47.6	1 45.9	54 15.8	14.4	14 48.6	3.9	255.528	−1.136
	22	17 48 24	53 26	−25 33.5	0 36.2	54 30.2	24.6	14 52.5	6.7	267.381	−2.135
	23	18 41 50	54 25	−26 9.7	0 39.2	54 54.8	34.1	14 59.2	9.3	279.390	−3.053
	24	19 36 15	54 35	−25 30.5	1 56.7	55 28.9	42.1	15 8.5	11.5	291.644	−3.850
	25	20 30 50	54 2	−23 33.8	3 12.0	56 11.0	47.7	15 20.0	13.0	304.220	−4.483
	26	21 24 52	53 5	−20 21.8	4 20.0	56 58.7	50.1	15 33.0	13.6	317.179	−4.908
	27	22 17 57	52 9	−16 1.8	5 16.8	57 48.8	48.4	15 46.6	13.2	330.554	−5.083
	28	23 10 6	51 39	−10 45.0	5 58.2	58 37.2	42.3	15 59.8	11.6	344.340	−4.972
	29	0 1 45	51 51	− 4 46.8	6 20.7	59 19.5	32.5	16 11.4	8.8	358.496	−4.559
	30	0 53 36	52 54	+ 1 33.9	6 21.4	59 52.0	19.7	16 20.2	5.4	12.938	−3.849
Okt.	1	1 46 30	54 50	+ 7 55.3	5 57.9	60 11.7	5.7	16 25.6	1.5	27.559	−2.878
	2	2 41 20	57 23	+13 53.2	5 9.6	60 17.4	7.5	16 27.1	2.0	42.240	−1.710
	3	3 38 43	60 2	+19 2.8	3 57.9	60 9.9	18.7	16 25.1	5.1	56.871	−0.431
	4	4 38 45	62 3	+23 0.7	2 27.6	59 51.2	26.7	16 20.0	7.3	71.365	+0.867
	5	5 40 48	62 36	+25 28.3	0 47.3	59 24.5	31.7	16 12.7	8.6	85.663	+2.094
	6	6 43 24	61 23	+26 15.6	0 52.6	58 52.8	34.0	16 4.1	9.3	99.735	+3.176
	7	7 44 47	58 39	+25 23.0	2 22.2	58 18.8	34.4	15 54.8	9.4	113.569	+4.052
	8	8 43 26	55 7	+23 0.8	3 35.0	57 44.4	33.5	15 45.4	9.1	127.168	+4.683
	9	9 38 33	51 33	+19 25.8	4 29.3	57 10.9	31.9	15 36.3	8.7	140.539	+5.047
	10	10 30 6	48 30	+14 56.5	5 5.5	56 39.0	30.3	15 27.6	8.2	153.689	+5.137
	11	11 18 36	46 15	+ 9 51.0	5 25.4	56 8.7	28.3	15 19.4	7.7	166.625	+4.962
	12	12 4 51	44 53	+ 4 25.6	5 31.2	55 40.4	26.0	15 11.7	7.1	179.348	+4.543
	13	12 49 44		− 1 5.6		55 14.4		15 4.6		191.863	+3.909

Tag	Obere Kulmination in Greenwich: AR.	Änderung für 1h westl. Länge	Dekl.	Änderung für 1h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1h westl. Länge	0h Länge, +50° Breite: Aufgang	Änderung für 1h westl. Länge	Untergang	Änderung für 1h westl. Länge
1928	h m s	s	° ′	′	′	h m	m	h m	m	h m	m
Sept. 2	0 24 40	131	− 2 2.6	+15.9	59.0	1 40.8	2.02	20 5	0.7	7 50	3.4
3	1 17 29	133	+ 4 22.0	+15.9	59.3	2 29.6	2.05	20 23	0.8	9 11	3.4
4	2 11 32	138	+10 35.2	+15.0	59.5	3 19.5	2.12	20 44	1.0	10 34	3.5
5	3 7 51	144	+16 13.5	+13.0	59.5	4 11.8	2.23	21 10	1.2	11 58	3.5
6	4 7 6	152	+20 53.1	+10.1	59.4	5 6.9	2.36	21 43	1.6	13 21	3.4
7	5 9 17	159	+24 11.7	+ 6.3	59.2	6 5.0	2.47	22 27	2.1	14 39	3.0
8	6 13 30	162	+25 51.6	+ 2.0	58.9	7 5.1	2.53	23 24	2.6	15 47	2.6
9	7 17 57	160	+25 44.6	− 2.5	58.5	8 5.4	2.49	—	—	16 42	2.0
10	8 20 35	153	+23 54.7	− 6.5	58.1	9 4.0	2.38	0 32	3.0	17 23	1.5
11	9 19 54	143	+20 36.9	− 9.8	57.7	9 59.2	2.22	1 48	3.2	17 54	1.1
12	10 15 19	134	+16 12.0	−12.1	57.2	10 50.5	2.06	3 7	3.2	18 17	0.9
13	11 7 5	125	+11 2.1	−13.6	56.6	11 38.2	1.92	4 24	3.1	18 36	0.8
14	11 55 58	119	+ 5 27.6	−14.2	56.1	12 23.0	1.82	5 38	3.0	18 53	0.7
15	12 42 56	116	− 0 14.3	−14.2	55.5	13 5.9	1.77	6 50	3.0	19 8	0.6
16	13 28 58	115	− 5 49.0	−13.6	55.1	13 47.9	1.74	8 0	2.9	19 23	0.6
17	14 15 3	116	−11 4.2	−12.6	54.7	14 29.9	1.76	9 9	2.9	19 39	0.7
18	15 2 1	119	−15 48.6	−11.1	54.4	15 12.8	1.82	10 19	2.9	19 57	0.8
19	15 50 37	124	−19 51.8	− 9.1	54.2	15 57.4	1.89	11 28	2.8	20 19	1.0
20	16 41 19	130	−23 2.9	− 6.7	54.2	16 44.0	1.99	12 35	2.7	20 47	1.3
21	17 34 17	135	−25 11.6	− 3.9	54.4	17 32.9	2.08	13 40	2.6	21 22	1.7
22	18 29 14	139	−26 7.9	− 0.7	54.8	18 23.8	2.15	14 40	2.3	22 7	2.1
23	19 25 29	141	−25 44.4	+ 2.7	55.4	19 15.9	2.19	15 30	1.9	23 4	2.6
24	20 22 5	141	−23 57.7	+ 6.2	56.1	20 8.5	2.18	16 11	1.5	—	—
25	21 18 10	139	−20 49.7	+ 9.4	56.9	21 0.5	2.15	16 44	1.2	0 11	2.9
26	22 13 15	136	−16 27.5	+12.3	57.7	21 51.5	2.10	17 10	1.0	1 25	3.2
27	23 7 17	134	−11 3.5	+14.6	58.6	22 41.4	2.07	17 32	0.9	2 43	3.3
28	0 0 42	133	− 4 54.4	+16.0	59.3	23 30.8	2.05	17 51	0.8	4 4	3.4
29	—	—	—	—	—	—	—	18 9	0.7	5 25	3.4
30	0 54 20	135	+ 1 39.4	+16.6	59.9	0 20.3	2.09	18 27	0.8	6 48	3.5
Okt. 1	1 49 9	139	+ 8 13.7	+16.1	60.2	1 11.0	2.15	18 47	0.9	8 13	3.6
2	2 46 10	146	+14 22.2	+14.4	60.3	2 4.0	2.26	19 12	1.1	9 40	3.6
3	3 46 4	154	+19 36.9	+11.6	60.1	2 59.7	2.39	19 42	1.5	11 6	3.5
4	4 48 55	160	+23 31.8	+ 7.8	59.8	3 58.5	2.50	20 23	2.0	12 29	3.2
5	5 53 49	163	+25 46.6	+ 3.3	59.3	4 59.3	2.55	21 16	2.5	13 42	2.8
6	6 58 57	161	+26 11.5	− 1.2	58.7	6 0.3	2.52	22 22	2.9	14 42	2.2
7	8 2 12	154	+24 50.1	− 5.4	58.1	6 59.5	2.40	23 36	3.1	15 26	1.6
8	9 2 2	144	+21 57.0	− 8.8	57.6	7 55.2	2.24	—	—	15 59	1.2
9	9 57 48	134	+17 52.5	−11.4	57.0	8 46.9	2.07	0 53	3.2	16 24	0.9
10	10 49 47	126	+12 57.9	−13.0	56.4	9 34.8	1.93	2 10	3.1	16 43	0.7
11	11 38 44	119	+ 7 32.5	−14.0	55.9	10 19.7	1.82	3 24	3.0	17 0	0.7
12	12 25 37	115	+ 1 53.1	−14.2	55.5	11 2.5	1.76	4 36	3.0	17 15	0.6
13	13 11 28	114	− 3 45.7	−13.9	55.0	11 44.3	1.73	5 46	2.9	17 29	0.6

Tag	0h Welt-Zeit									
	Scheinbare Rektaszension		Scheinbare Deklination		Parallaxe		Halbmesser		Länge	Breite
1928	h m s	m s	° ′	° ′	′ ″	″	′ ″	″	°	°
Okt. 13	12 49 44	44 24	− 1 5.6	5 24.1	55 14.4	23.4	15 4.6	6.4	191.863	+3.909
14	13 34 8	44 43	− 6 29.7	5 5.6	54 51.0	19.9	14 58.2	5.4	204.177	+3.101
15	14 18 51	45 43	−11 35.3	4 36.0	54 31.1	15.4	14 52.8	4.2	216.307	+2.161
16	15 4 34	47 18	−16 11.3	3 56.0	54 15.7	9.6	14 48.6	2.6	228.278	+1.134
17	15 51 52	49 9	−20 7.3	3 5.8	54 6.1	2.6	14 46.0	0.7	240.129	+0.066
18	16 41 1	51 2	−23 13.1	2 6.3	54 3.5	5.6	14 45.3	1.5	251.909	−1.001
19	17 32 3	52 33	−25 19.4	0 58.9	54 9.1	14.7	14 46.8	4.0	263.681	−2.027
20	18 24 36	53 27	−26 18.3	0 14.0	54 23.8	24.5	14 50.8	6.7	275.518	−2.972
21	19 18 3	53 37	−26 4.3	1 28.9	54 48.3	34.4	14 57.5	9.3	287.500	−3.800
22	20 11 40	53 6	−24 35.4	2 42.3	55 22.7	43.6	15 6.8	11.9	299.712	−4.473
23	21 4 46	52 15	−21 53.1	3 50.8	56 6.3	51.1	15 18.7	13.9	312.235	−4.952
24	21 57 1	51 25	−18 2.3	4 50.9	56 57.4	55.9	15 32.6	15.3	325.142	−5.200
25	22 48 26	50 59	−13 11.4	5 39.7	57 53.3	56.7	15 47.9	15.4	338.486	−5.180
26	23 39 25	51 18	− 7 31.7	6 13.6	58 50.0	52.5	16 3.3	14.3	352.290	−4.865
27	0 30 43	52 32	− 1 18.1	6 28.2	59 42.5	43.0	16 17.6	11.7	6.538	−4.245
28	1 23 15	54 42	+ 5 10.1	6 19.3	60 25.5	28.4	16 29.3	7.8	21.166	−3.335
29	2 17 57	57 42	+11 29.4	5 43.1	60 53.9	10.8	16 37.1	2.9	36.069	−2.181
30	3 15 39	61 0	+17 12.5	4 38.3	61 4.7	7.6	16 40.0	2.0	51.109	−0.865
31	4 16 39	63 43	+21 50.8	3 8.2	60 57.1	24.1	16 38.0	6.6	66.138	+0.512
Nov. 1	5 20 22	64 49	+24 59.0	1 22.4	60 33.0	36.8	16 31.4	10.0	81.021	+1.843
2	6 25 11	63 46	+26 21.4	0 26.0	59 56.2	44.6	16 21.4	12.2	95.648	+3.030
3	7 28 57	60 45	+25 55.4	2 3.7	59 11.6	47.9	16 9.2	13.1	109.950	+4.001
4	8 29 42	56 39	+23 51.7	3 22.6	58 23.7	47.4	15 56.1	12.9	123.892	+4.709
5	9 26 21	52 30	+20 29.1	4 20.3	57 36.3	44.4	15 43.2	12.1	137.474	+5.132
6	10 18 51	48 55	+16 8.8	4 58.7	56 51.9	39.6	15 31.1	10.7	150.714	+5.270
7	11 7 46	46 16	+11 10.1	5 20.5	56 12.3	34.4	15 20.4	9.4	163.646	+5.135
8	11 54 2	44 37	+ 5 49.6	5 28.9	55 37.9	28.9	15 11.0	7.9	176.309	+4.751
9	12 38 39	43 57	+ 0 20.7	5 25.1	55 9.0	23.8	15 3.1	6.5	188.742	+4.148
10	13 22 36	44 10	− 5 4.4	5 10.5	54 45.2	19.0	14 56.6	5.1	200.982	+3.363
11	14 6 46	45 9	−10 14.9	4 45.1	54 26.2	14.3	14 51.5	4.0	213.064	+2.436
12	14 51 55	46 44	−15 0.0	4 8.9	54 11.9	9.6	14 47.5	2.6	225.019	+1.410
13	15 38 39	48 39	−19 8.9	3 21.7	54 2.3	4.7	14 44.9	1.2	236.879	+0.329
14	16 27 18	50 35	−22 30.6	2 24.5	53 57.6	1.0	14 43.7	0.2	248.679	−0.760
15	17 17 53	52 9	−24 55.1	1 18.5	53 58.6	7.4	14 43.9	2.0	260.456	−1.816
16	18 10 2	53 3	−26 13.6	0 7.0	54 6.0	14.6	14 45.9	4.0	272.254	−2.797
17	19 3 5	53 4	−26 20.6	1 6.6	54 20.6	22.8	14 49.9	6.2	284.125	−3.664
18	19 56 9	52 24	−25 14.0	2 18.3	54 43.4	31.5	14 56.1	8.6	296.128	−4.380
19	20 48 33	51 16	−22 55.7	3 24.8	55 14.9	40.2	15 4.7	11.0	308.328	−4.911
20	21 39 49	50 10	−19 30.9	4 23.8	55 55.1	48.3	15 15.7	13.1	320.796	−5.226
21	22 29 59	49 28	−15 7.1	5 13.2	56 43.4	54.8	15 28.8	14.9	333.599	−5.293
22	23 19 27	49 30	− 9 53.9	5 51.4	57 38.2	58.2	15 43.7	15.9	346.799	−5.089
23	0 8 57		− 4 2.5		58 36.4		15 59.6		0.441	−4.596

Tag	Obere Kulmination in Greenwich							0h Länge, +50° Breite			
	AR.	Änderung für 1h westl. Länge	Dekl.	Änderung für 1h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1h westl. Länge	Aufgang	Änderung für 1h westl. Länge	Untergang	Änderung für 1h westl. Länge
1928	h m s	s	° ′	′	′	h m	m	h m	m	h m	m
Okt. 13	13 11 28	114	− 3 45.7	−13.9	55.0	11 44.3	1.73	5 46	2.9	17 29	0.6
14	13 57 12	115	− 9 11.0	−13.1	54.7	12 26.0	1.75	6 56	2.9	17 44	0.7
15	14 43 43	118	−14 10.8	−11.8	54.4	13 8.5	1.80	8 5	2.9	18 1	0.8
16	15 31 42	122	−18 33.3	−10.0	54.2	13 52.4	1.87	9 14	2.9	18 21	0.9
17	16 21 37	127	−22 7.2	− 7.7	54.1	14 38.2	1.95	10 23	2.8	18 46	1.2
18	17 13 38	133	−24 41.7	− 5.1	54.1	15 26.1	2.04	11 30	2.7	19 18	1.5
19	18 7 32	137	−26 7.0	− 2.0	54.3	16 16.0	2.11	12 31	2.4	19 59	1.9
20	19 2 41	139	−26 15.9	+ 1.3	54.7	17 7.0	2.14	13 25	2.0	20 50	2.4
21	19 58 14	139	−25 4.7	+ 4.6	55.2	17 58.5	2.14	14 9	1.6	21 52	2.7
22	20 53 23	137	−22 34.1	+ 7.9	55.9	18 49.6	2.11	14 44	1.3	23 2	3.0
23	21 47 38	134	−18 48.8	+10.8	56.8	19 39.8	2.07	15 12	1.0	—	—
24	22 40 56	132	−13 57.4	+13.4	57.7	20 28.9	2.03	15 34	0.9	0 17	3.2
25	23 33 41	132	− 8 12.0	+15.3	58.7	21 17.6	2.03	15 54	0.8	1 35	3.3
26	0 26 39	134	− 1 48.4	+16.5	59.6	22 6.5	2.06	16 12	0.7	2 55	3.4
27	1 20 54	138	+ 4 53.0	+16.8	60.4	22 56.7	2.13	16 30	0.8	4 17	3.5
28	2 17 32	146	+11 26.7	+15.8	60.9	23 49.2	2.25	16 48	0.9	5 42	3.6
29	—	—	—	—	—	—	—	17 11	1.1	7 9	3.7
30	3 17 31	155	+17 22.4	+13.6	61.1	0 45.1	2.41	17 39	1.4	8 39	3.7
31	4 21 13	164	+22 7.7	+10.0	60.9	1 44.7	2.55	18 16	1.8	10 8	3.5
Nov. 1	5 27 52	169	+25 14.2	+ 5.4	60.5	2 47.2	2.64	19 6	2.4	11 29	3.1
2	6 35 32	168	+26 24.4	+ 0.4	59.8	3 50.6	2.63	20 10	2.9	12 36	2.5
3	7 41 36	161	+25 37.6	− 4.2	59.0	4 52.8	2.52	21 24	3.2	13 27	1.8
4	8 43 54	150	+23 8.8	− 8.0	58.2	5 51.0	2.33	22 42	3.2	14 3	1.3
5	9 41 30	138	+19 20.9	−10.8	57.4	6 44.4	2.13	23 59	3.2	14 30	1.0
6	10 34 36	128	+14 38.0	−12.6	56.6	7 33.5	1.96	—	—	14 51	0.8
7	11 24 3	120	+ 9 20.8	−13.7	56.0	8 18.9	1.83	1 14	3.1	15 8	0.7
8	12 10 58	115	+ 3 46.1	−14.1	55.4	9 1.7	1.75	2 26	3.0	15 23	0.6
9	12 56 29	113	− 1 52.0	−14.0	55.0	9 43.2	1.72	3 36	2.9	15 37	0.6
10	13 41 41	113	− 7 21.5	−13.4	54.6	10 24.3	1.72	4 45	2.9	15 52	0.6
11	14 27 29	116	−12 30.6	−12.3	54.3	11 6.1	1.77	5 54	2.9	16 8	0.7
12	15 14 43	120	−17 7.8	−10.7	54.1	11 49.2	1.83	7 3	2.9	16 26	0.9
13	16 3 53	126	−21 1.1	− 8.6	54.0	12 34.4	1.93	8 12	2.9	16 49	1.1
14	16 55 14	131	−23 58.7	− 6.1	54.0	13 21.6	2.01	9 20	2.7	17 18	1.4
15	17 48 33	135	−25 49.9	− 3.1	54.0	14 10.9	2.08	10 23	2.5	17 56	1.8
16	18 43 11	137	−26 26.6	+ 0.1	54.2	15 1.4	2.12	11 20	2.2	18 43	2.2
17	19 38 14	137	−25 44.7	+ 3.4	54.6	15 52.4	2.12	12 7	1.7	19 41	2.6
18	20 32 45	135	−23 45.0	+ 6.6	55.1	16 42.8	2.08	12 45	1.4	20 47	2.8
19	21 26 8	132	−20 32.2	+ 9.5	55.7	17 32.1	2.02	13 14	1.1	21 58	3.0
20	22 18 14	129	−16 14.2	+12.0	56.5	18 20.2	1.98	13 38	0.9	23 13	3.1
21	23 9 25	127	−11 1.0	+14.0	57.4	19 7.3	1.95	13 58	0.8	—	—
22	0 0 27	128	− 5 4.6	+15.6	58.4	19 54.2	1.97	14 16	0.7	0 29	3.2
23	0 52 24	132	+ 1 20.5	+16.4	59.4	20 42.1	2.03	14 32	0.7	1 47	3.3

Tag	Scheinbare Rektaszension		Scheinbare Deklination		Parallaxe		Halbmesser		Länge	Breite
	0h Welt-Zeit									
1928	h m s	m s	° ′	° ′	′ ″	″	′ ″	″	°	°
Nov. 23	0 8 57	50 30	− 4 2.5	6 15.4	58 36.4	57.4	15 59.6	15.7	0.441	−4.596
24	0 59 27	52 37	+ 2 12.9	6 20.6	59 33.8	51.1	16 15.3	13.9	14.540	−3.816
25	1 52 4	55 50	+ 8 33.5	6 2.2	60 24.9	38.9	16 29.2	10.6	29.073	−2.769
26	2 47 54	59 49	+14 35.7	5 15.0	61 3.8	21.6	16 39.8	5.9	43.971	−1.512
27	3 47 43	63 47	+19 50.7	3 57.1	61 25.4	1.3	16 45.7	0.3	59.119	−0.128
28	4 51 30	66 28	+23 47.8	2 13.8	61 26.7	19.1	16 46.0	5.2	74.365	+1.273
29	5 57 58	66 47	+26 1.6	0 17.8	61 7.6	36.6	16 40.8	10.0	89.544	+2.577
30	7 4 45	64 24	+26 19.4	1 33.3	60 31.0	48.9	16 30.8	13.3	104.502	+3.685
Dez. 1	8 9 9	60 8	+24 46.1	3 5.5	59 42.1	55.6	16 17.5	15.1	119.114	+4.524
2	9 9 17	55 18	+21 40.6	4 12.9	58 46.5	56.8	16 2.4	15.5	133.303	+5.059
3	10 4 35	50 53	+17 27.7	4 56.7	57 49.7	53.9	15 46.9	14.7	147.040	+5.283
4	10 55 28	47 26	+12 31.0	5 20.8	56 55.8	48.1	15 32.2	13.1	160.335	+5.214
5	11 42 54	45 10	+ 7 10.2	5 29.9	56 7.7	40.6	15 19.1	11.1	173.228	+4.881
6	12 28 4	43 59	+ 1 40.3	5 27.0	55 27.1	32.6	15 8.0	8.9	185.778	+4.321
7	13 12 3	43 50	− 3 46.7	5 13.8	54 54.5	24.8	14 59.1	6.7	198.052	+3.574
8	13 55 53	44 36	− 9 0.5	4 50.8	54 29.7	17.3	14 52.4	4.7	210.116	+2.679
9	14 40 29	46 5	−13 51.3	4 17.8	54 12.4	10.7	14 47.7	2.9	222.035	+1.679
10	15 26 34	48 3	−18 9.1	3 34.2	54 1.7	4.8	14 44.8	1.3	233.863	+0.614
11	16 14 37	50 9	−21 43.3	2 39.8	53 56.9	0.6	14 43.5	0.1	245.651	−0.472
12	17 4 46	51 57	−24 23.1	1 35.9	53 57.5	5.6	14 43.6	1.5	257.439	−1.536
13	17 56 43	53 5	−25 59.0	0 24.9	54 3.1	10.6	14 45.1	2.9	269.263	−2.536
14	18 49 48	53 16	−26 23.9	0 49.0	54 13.7	15.8	14 48.0	4.4	281.156	−3.430
15	19 43 4	52 31	−25 34.9	2 1.2	54 29.5	21.6	14 52.4	5.8	293.149	−4.180
16	20 35 35	51 10	−23 33.7	3 7.7	54 51.1	27.8	14 58.2	7.6	305.277	−4.750
17	21 26 45	49 39	−20 26.0	4 5.7	55 18.9	34.4	15 5.8	9.4	317.578	−5.111
18	22 16 24	48 27	−16 20.3	4 53.7	55 53.3	41.0	15 15.2	11.1	330.095	−5.237
19	23 4 51	47 53	−11 26.6	5 30.9	56 34.3	47.0	15 26.3	12.8	342.876	−5.109
20	23 52 44	48 17	− 5 55.7	5 56.0	57 21.3	51.2	15 39.1	14.0	355.971	−4.716
21	0 41 1	49 48	+ 0 0.3	6 6.9	58 12.5	52.8	15 53.1	14.4	9.424	−4.058
22	1 30 49	52 31	+ 6 7.2	5 59.6	59 5.3	50.1	16 7.5	13.7	23.270	−3.148
23	2 23 20	56 23	+12 6.8	5 29.4	59 55.4	42.5	16 21.2	11.5	37.518	−2.021
24	3 19 43	60 53	+17 36.2	4 31.0	60 37.9	29.3	16 32.7	8.0	52.146	−0.734
25	4 20 36	65 2	+22 7.2	3 3.4	61 7.2	11.9	16 40.7	3.2	67.086	+0.627
26	5 25 38	67 27	+25 10.6	1 12.9	61 19.1	7.9	16 43.9	2.1	82.225	+1.959
27	6 33 5	67 3	+26 23.5	0 45.4	61 11.2	27.1	16 41.8	7.4	97.415	+3.155
28	7 40 8	63 55	+25 38.1	2 33.1	60 44.1	42.8	16 34.4	11.7	112.488	+4.119
29	8 44 3	59 13	+23 5.0	3 57.1	60 1.3	53.4	16 22.7	14.5	127.287	+4.787
30	9 43 16	54 16	+19 7.9	4 53.4	59 7.9	58.3	16 8.2	15.9	141.691	+5.131
31	10 37 32	50 3	+14 14.5	5 25.1	58 9.6	57.8	15 52.3	15.7	155.627	+5.156
32	11 27 35		+ 8 49.4		57 11.8		15 36.6		169.075	+4.892

Tag	Obere Kulmination in Greenwich							0h Länge, + 50° Breite			
	AR.	Änderung für 1h westl. Länge	Dekl.	Änderung für 1h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1h westl. Länge	Aufgang	Änderung für 1h westl. Länge	Untergang	Änderung für 1h westl. Länge
1928	h m s	s	° ′	′	′	h m	m	h m	m	h m	m
Nov. 23	0 52 24	132	+ 1 20.5	+16.4	59.4	20 42.1	2.03	14 32	0.7	1 47	3.3
24	1 46 32	139	+ 7 54.8	+16.3	60.3	21 32.1	2.15	14 50	0.8	3 8	3.5
25	2 44 8	149	+14 13.1	+15.0	61.0	22 25.6	2.32	15 10	0.9	4 33	3.6
26	3 46 9	161	+19 43.6	+12.3	61.4	23 23.7	2.51	15 35	1.2	6 2	3.7
27	—	—	—	—	—	—	—	16 7	1.7	7 32	3.7
28	4 52 41	171	+23 51.2	+ 8.1	61.4	0 26.0	2.68	16 51	2.2	9 1	3.5
29	6 2 14	175	+26 6.2	+ 3.0	61.1	1 31.4	2.75	17 50	2.7	10 18	2.9
30	7 11 56	172	+26 14.3	− 2.3	60.4	2 37.0	2.69	19 3	3.2	11 19	2.2
Dez. 1	8 18 38	161	+24 23.2	− 6.8	59.6	3 39.6	2.51	20 24	3.4	12 2	1.6
2	9 20 18	147	+20 56.4	−10.2	58.6	4 37.2	2.28	21 44	3.3	12 34	1.1
3	10 16 35	134	+16 22.9	−12.4	57.6	5 29.4	2.07	23 2	3.2	12 57	0.9
4	11 8 10	124	+11 8.7	−13.6	56.7	6 16.9	1.90	—	—	13 15	0.7
5	11 56 18	117	+ 5 34.1	−14.1	55.9	7 0.9	1.78	0 16	3.0	13 31	0.6
6	12 42 17	113	− 0 5.6	−14.1	55.3	7 42.9	1.72	1 26	2.9	13 46	0.6
7	13 27 21	113	− 5 38.5	−13.6	54.7	8 23.8	1.71	2 36	2.9	14 0	0.6
8	14 12 38	114	−10 53.8	−12.6	54.4	9 5.1	1.74	3 44	2.9	14 15	0.7
9	14 59 5	118	−15 41.1	−11.2	54.1	9 47.5	1.80	4 53	2.9	14 32	0.8
10	15 47 24	124	−19 49.1	− 9.4	54.0	10 31.8	1.89	6 2	2.9	14 54	1.0
11	16 37 59	129	−23 6.0	− 7.0	53.9	11 18.2	1.99	7 10	2.8	15 20	1.3
12	17 30 48	134	−25 20.0	− 4.1	54.0	12 7.0	2.07	8 16	2.6	15 55	1.6
13	18 25 18	138	−26 21.6	− 1.0	54.1	12 57.4	2.12	9 15	2.3	16 39	2.1
14	19 20 29	138	−26 4.7	+ 2.4	54.4	13 48.5	2.13	10 5	1.9	17 34	2.5
15	20 15 16	136	−24 29.2	+ 5.6	54.7	14 39.2	2.09	10 46	1.5	18 38	2.8
16	21 8 45	132	−21 39.7	+ 8.5	55.1	15 28.7	2.03	11 18	1.2	19 47	3.0
17	22 0 34	128	−17 45.1	+11.0	55.7	16 16.4	1.95	11 43	0.9	21 0	3.1
18	22 50 54	124	−12 56.0	+13.0	56.4	17 2.7	1.91	12 3	0.8	22 14	3.1
19	23 40 22	123	− 7 24.1	+14.6	57.1	17 48.1	1.89	12 21	0.7	23 29	3.1
20	0 29 59	125	− 1 21.9	+15.5	58.0	18 33.6	1.92	12 37	0.7	—	—
21	1 20 58	130	+ 4 55.9	+15.8	58.9	19 20.5	2.00	12 53	0.7	0 45	3.2
22	2 14 43	139	+11 10.8	+15.2	59.8	20 10.2	2.15	13 11	0.8	2 4	3.4
23	3 12 35	151	+16 58.5	+13.5	60.6	21 4.0	2.34	13 32	1.0	3 28	3.6
24	4 15 28	164	+21 48.0	+10.4	61.1	22 2.7	2.56	14 0	1.3	4 55	3.7
25	5 23 9	174	+25 5.7	+ 5.9	61.3	23 6.3	2.73	14 36	1.8	6 24	3.6
26	—	—	—	—	—	—	—	15 28	2.5	7 48	3.2
27	6 33 41	177	+26 23.6	+ 0.5	61.2	0 12.7	2.79	16 35	3.0	8 59	2.6
28	7 43 44	171	+25 32.3	− 4.7	60.7	1 18.6	2.68	17 54	3.4	9 53	1.9
29	8 50 4	159	+22 45.1	− 9.0	59.9	2 20.8	2.48	19 18	3.5	10 31	1.4
30	9 51 0	145	+18 30.4	−12.0	59.0	3 17.7	2.25	20 41	3.4	10 58	1.0
31	10 46 28	132	+13 19.9	−13.7	58.0	4 9.1	2.04	21 59	3.1	11 20	0.8

Merkur 1928

Tag		0ʰ Welt-Zeit						Obere Kulmination in Greenwich
		Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1928		h m s	m s	° ′ ″	′ ″			h m
Jan.	0	18 13 19.05	6 57.54	−24 41 59.3	2 19.9	0.157 0303	5362	11 41.1
	1	18 20 16.59	6 59.04	24 44 19.2	0 57.2	0.157 5665	3692	11 44.1
	2	18 27 15.63	7 0.45	24 45 16.4	0 26.5	0.157 9357	2020	11 47.2
	3	18 34 16.08	7 1.76	24 44 49.9	1 51.4	0.158 1377	342	11 50.3
	4	18 41 17.84	7 2.96	24 42 58.5	3 17.4	0.158 1719	1349	11 53.4
	5	18 48 20.80	7 4.05	24 39 41.1	4 44.4	0.158 0370	3061	11 56.5
	6	18 55 24.85	7 5.02	−24 34 56.7	6 12.3	0.157 7309	4798	11 59.6
	7	19 2 29.87	7 5.88	24 28 44.4	7 41.3	0.157 2511	6564	12 2.8
	8	19 9 35.75	7 6.62	24 21 3.1	9 11.1	0.156 5947	8368	12 6.0
	9	19 16 42.37	7 7.23	24 11 52.0	10 41.6	0.155 7579	1 0219	12 9.1
	10	19 23 49.60	7 7.70	24 1 10.4	12 13.0	0.154 7360	1 2122	12 12.3
	11	19 30 57.30	7 8.03	23 48 57.4	13 45.2	0.153 5238	1 4084	12 15.5
	12	19 38 5.33	7 8.20	−23 35 12.2	15 18.0	0.152 1154	1 6113	12 18.7
	13	19 45 13.53	7 8.20	23 19 54.2	16 51.3	0.150 5041	1 8220	12 21.9
	14	19 52 21.73	7 8.04	23 3 2.9	18 25.0	0.148 6821	2 0411	12 25.1
	15	19 59 29.77	7 7.68	22 44 37.9	19 59.0	0.146 6410	2 2697	12 28.3
	16	20 6 37.45	7 7.11	22 24 38.9	21 33.2	0.144 3713	2 5088	12 31.5
	17	20 13 44.56	7 6.31	22 3 5.7	23 7.5	0.141 8625	2 7596	12 34.7
	18	20 20 50.87	7 5.27	−21 39 58.2	24 41.4	0.139 1029	3 0230	12 37.9
	19	20 27 56.14	7 3.94	21 15 16.8	26 14.9	0.136 0799	3 3002	12 41.0
	20	20 35 0.08	7 2.30	20 49 1.9	27 47.8	0.132 7797	3 5927	12 44.1
	21	20 42 2.38	7 0.32	20 21 14.1	29 19.6	0.129 1870	3 9015	12 47.2
	22	20 49 2.70	6 57.92	19 51 54.5	30 50.0	0.125 2855	4 2279	12 50.2
	23	20 56 0.62	6 55.08	19 21 4.5	32 18.3	0.121 0576	4 5736	12 53.2
	24	21 2 55.70	6 51.73	−18 48 46.2	33 44.2	0.116 4840	4 9396	12 56.2
	25	21 9 47.43	6 47.78	18 15 2.0	35 7.1	0.111 5444	5 3267	12 59.1
	26	21 16 35.21	6 43.15	17 39 54.9	36 26.1	0.106 2177	5 7363	13 1.9
	27	21 23 18.36	6 37.76	17 3 28.8	37 40.3	0.100 4814	6 1692	13 4.6
	28	21 29 56.12	6 31.48	16 25 48.5	38 48.8	0.094 3122	6 6259	13 7.3
	29	21 36 27.60	6 24.19	15 46 59.7	39 50.4	0.087 6863	7 1061	13 9.8
	30	21 42 51.79	6 15.75	−15 7 9.3	40 43.7	0.080 5802	7 6095	13 12.2
	31	21 49 7.54	6 6.01	14 26 25.6	41 27.3	0.072 9707	8 1349	13 14.4
Febr.	1	21 55 13.55	5 54.79	13 44 58.3	41 59.7	0.064 8358	8 6795	13 16.5
	2	22 1 8.34	5 41.92	13 2 58.6	42 18.8	0.056 1563	9 2400	13 18.3
	3	22 6 50.26	5 27.25	12 20 39.8	42 22.9	0.046 9163	9 8117	13 20.0
	4	22 12 17.51	5 10.58	11 38 16.9	42 10.2	0.037 1046	10 3881	13 21.3
	5	22 17 28.09	4 51.72	−10 56 6.7	41 38.6	0.026 7165	10 9606	13 22.4
	6	22 22 19.81	4 30.57	10 14 28.1	40 45.9	0.015 7559	11 5193	13 23.1
	7	22 26 50.38	4 7.02	9 33 42.2	39 30.7	0.004 2366	12 0521	13 23.5
	8	22 30 57.40	3 40.96	8 54 11.5	37 51.4	9.992 1845	12 5447	13 23.4
	9	22 34 38.36	3 12.43	8 16 20.1	35 46.6	9.979 6398	12 9815	13 22.9
	10	22 37 50.79		− 7 40 33.5		9.966 6583		13 21.9

Tag	0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1928	h m s	m s	° ′ ″	′ ″			h m
Febr. 10	22 37 50.79	2 41.51	− 7 40 33.5	33 16.1	9.966 6583	13 3454	13 21.9
11	22 40 32.30	2 8.37	7 7 17.4	30 19.3	9.953 3129	13 6180	13 20.3
12	22 42 40.67	1 33.29	6 36 58.1	26 57.1	9.939 6949	13 7808	13 18.2
13	22 44 13.96	0 56.67	6 10 1.0	23 11.0	9.925 9141	13 8159	13 15.5
14	22 45 10.63	0 19.02	5 46 50.0	19 3.1	9.912 0982	13 7064	13 12.1
15	22 45 29.65	0 19.00	5 27 46.9	14 36.8	9.898 3918	13 4374	13 8.2
16	22 45 10.65	0 56.67	− 5 13 10.1	9 56.4	9.884 9544	12 9985	13 3.6
17	22 44 13.98	1 33.12	5 3 13.7	5 7.2	9.871 9559	12 3834	12 58.4
18	22 42 40.86	2 7.44	4 58 6.5	0 15.5	9.859 5725	11 5912	12 52.6
19	22 40 33.42	2 38.71	4 57 51.0	4 32.0	9.847 9813	10 6283	12 46.3
20	22 37 54.71	3 6.04	5 2 23.0	9 7.9	9.837 3530	9 5088	12 39.5
21	22 34 48.67	3 28.61	5 11 30.9	13 24.8	9.827 8442	8 2541	12 32.3
22	22 31 20.06	3 45.77	− 5 24 55.7	17 15.8	9.819 5901	6 8921	12 24.7
23	22 27 34.29	3 57.10	5 42 11.5	20 35.4	9.812 6980	5 4562	12 16.9
24	22 23 37.19	4 2.40	6 2 46.9	23 18.9	9.807 2418	3 9831	12 9.0
25	22 19 34.79	4 1.74	6 26 5.8	25 23.8	9.803 2587	2 5108	12 1.1
26	22 15 33.05	3 55.40	6 51 29.6	26 49.1	9.800 7479	1 0750	11 53.2
27	22 11 37.65	3 43.92	7 18 18.7	27 35.8	9.799 6729	2932	11 45.5
28	22 7 53.73	3 28.00	− 7 45 54.5	27 46.7	9.799 9661	1 5677	11 38.0
29	22 4 25.73	3 8.40	8 13 41.2	27 25.2	9.801 5338	2 7291	11 30.8
März 1	22 1 17.33	2 45.93	8 41 6.4	26 35.7	9.804 2629	3 7663	11 23.9
2	21 58 31.40	2 21.38	9 7 42.1	25 23.0	9.808 0292	4 6736	11 17.4
3	21 56 10.02	1 55.51	9 33 5.1	23 51.5	9.812 7028	5 4512	11 11.3
4	21 54 14.51	1 28.94	9 56 56.6	22 5.8	9.818 1540	6 1044	11 5.7
5	21 52 45.57	1 2.24	−10 19 2.4	20 9.4	9.824 2584	6 6405	11 0.5
6	21 51 43.33	0 35.86	10 39 11.8	18 5.7	9.830 8989	7 0700	10 55.7
7	21 51 7.47	0 10.13	10 57 17.5	15 57.3	9.837 9689	7 4036	10 51.4
8	21 50 57.34	0 14.67	11 13 14.8	13 46.6	9.845 3725	7 6533	10 47.5
9	21 51 12.01	0 38.37	11 27 1.4	11 35.2	9.853 0258	7 8299	10 43.9
10	21 51 50.38	1 0.86	11 38 36.6	9 24.3	9.860 8557	7 9438	10 40.8
11	21 52 51.24	1 22.08	−11 48 0.9	7 14.7	9.868 7995	8 0050	10 38.1
12	21 54 13.32	1 42.02	11 55 15.6	5 7.3	9.876 8045	8 0220	10 35.6
13	21 55 55.34	2 0.66	12 0 22.9	3 2.4	9.884 8265	8 0026	10 33.5
14	21 57 56.00	2 18.03	12 3 25.3	1 0.5	9.892 8291	7 9535	10 31.7
15	22 0 14.03	2 34.20	12 4 25.8	0 58.5	9.900 7826	7 8801	10 30.2
16	22 2 48.23	2 49.25	12 3 27.3	2 54.6	9.908 6627	7 7876	10 29.0
17	22 5 37.48	3 3.21	−12 0 32.7	4 47.5	9.916 4503	7 6804	10 27.9
18	22 8 40.69	3 16.16	11 55 45.2	6 37.4	9.924 1307	7 5615	10 27.1
19	22 11 56.85	3 28.17	11 49 7.8	8 24.5	9.931 6922	7 4339	10 26.6
20	22 15 25.02	3 39.32	11 40 43.3	10 8.7	9.939 1261	7 3003	10 26.2
21	22 19 4.34	49.67	11 30 34.6	11 50.2	9.946 4264	7 1627	10 26.0
22	22 22 54.01		−11 18 44.4		9.953 5891		10 25.9

Tag	0h Welt-Zeit: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1928	h m s	m s	° ′ ″	′ ″			h m
März 22	22 22 54.01	3 59.28	−11 18 44.4	13 29.2	9.953 5891	7 0226	10 25.9
23	22 26 53.29	4 8.23	11 5 15.2	15 5.6	9.960 6117	6 8810	10 26.0
24	22 31 1.52	4 16.59	10 50 9.6	16 39.7	9.967 4927	6 7393	10 26.3
25	22 35 18.11	4 24.39	10 33 29.9	18 11.7	9.974 2320	6 5985	10 26.7
26	22 39 42.50	4 31.71	10 15 18.2	19 41.4	9.980 8305	6 4587	10 27.2
27	22 44 14.21	4 38.58	9 55 36.8	21 9.2	9.987 2892	6 3204	10 27.8
28	22 48 52.79	4 45.07	− 9 34 27.6	22 35.0	9.993 6096	6 1844	10 28.6
29	22 53 37.86	4 51.22	9 11 52.6	23 59.2	9.999 7940	6 0502	10 29.4
30	22 58 29.08	4 57.08	8 47 53.4	25 21.6	0.005 8442	5 9181	10 30.4
31	23 3 26.16	5 2.65	8 22 31.8	26 42.1	0.011 7623	5 7883	10 31.5
April 1	23 8 28.81	5 8.01	7 55 49.7	28 1.2	0.017 5506	5 6604	10 32.6
2	23 13 36.82	5 13.20	7 27 48.5	29 18.7	0.023 2110	5 5342	10 33.8
3	23 18 50.02	5 18.22	− 6 58 29.8	30 34.8	0.028 7452	5 4097	10 35.1
4	23 24 8.24	5 23.12	6 27 55.0	31 49.4	0.034 1549	5 2864	10 36.5
5	23 29 31.36	5 27.93	5 56 5.6	33 2.5	0.039 4413	5 1641	10 38.0
6	23 34 59.29	5 32.67	5 23 3.1	34 14.2	0.044 6054	5 0423	10 39.6
7	23 40 31.96	5 37.40	4 48 48.9	35 24.4	0.049 6477	4 9205	10 41.2
8	23 46 9.36	5 42.10	4 13 24.5	36 33.3	0.054 5682	4 7987	10 42.9
9	23 51 51.46	5 46.82	− 3 36 51.2	37 40.9	0.059 3669	4 6760	10 44.7
10	23 57 38.28	5 51.59	2 59 10.3	38 46.9	0.064 0429	4 5517	10 46.6
11	0 3 29.87	5 56.42	2 20 23.4	39 51.3	0.068 5946	4 4250	10 48.6
12	0 9 26.29	6 1.36	1 40 32.1	40 54.3	0.073 0196	4 2957	10 50.6
13	0 15 27.65	6 6.38	0 59 37.8	41 55.7	0.077 3153	4 1630	10 52.7
14	0 21 34.03	6 11.54	− 0 17 42.1	42 55.3	0.081 4783	4 0255	10 54.9
15	0 27 45.57	6 16.87	+ 0 25 13.2	43 53.0	0.085 5038	3 8825	10 57.2
16	0 34 2.44	6 22.35	1 9 6.2	44 48.8	0.089 3863	3 7334	10 59.6
17	0 40 24.79	6 28.02	1 53 55.0	45 42.2	0.093 1197	3 5770	11 2.1
18	0 46 52.81	6 33.89	2 39 37.2	46 33.3	0.096 6967	3 4119	11 4.6
19	0 53 26.70	6 39.96	3 26 10.5	47 21.6	0.100 1086	3 2369	11 7.3
20	1 0 6.66	6 46.26	4 13 32.1	48 6.9	0.103 3455	3 0509	11 10.1
21	1 6 52.92	6 52.78	+ 5 1 39.0	48 49.0	0.106 3964	2 8525	11 13.0
22	1 13 45.70	6 59.52	5 50 28.0	49 27.1	0.109 2489	2 6404	11 16.0
23	1 20 45.22	7 6.46	6 39 55.1	50 1.0	0.111 8893	2 4128	11 19.1
24	1 27 51.68	7 13.61	7 29 56.1	50 30.0	0.114 3021	2 1685	11 22.3
25	1 35 5.29	7 20.94	8 20 26.1	50 53.6	0.116 4706	1 9061	11 25.7
26	1 42 26.23	7 28.41	9 11 19.7	51 11.1	0.118 3767	1 6240	11 29.1
27	1 49 54.64	7 35.97	+10 2 30.8	51 21.7	0.120 0007	1 3210	11 32.7
28	1 57 30.61	7 43.57	10 53 52.5	51 24.5	0.121 3217	9964	11 36.5
29	2 5 14.18	7 51.13	11 45 17.0	51 18.9	0.122 3181	6489	11 40.3
30	2 13 5.31	7 58.56	12 36 35.9	51 3.9	0.122 9670	2784	11 44.3
Mai 1	2 21 3.87	8 5.77	13 27 39.8	50 38.7	0.123 2454	1146	11 48.4
2	2 29 9.64		+14 18 18.5		0.123 1308		11 52.6

Tag	0h Welt-Zeit: Scheinbare Rektaszension	Diff.	0h Welt-Zeit: Scheinbare Deklination	Diff.	0h Welt-Zeit: log Δ	Diff.	Obere Kulmination in Greenwich
1928	h m s	m s	° ′ ″	′ ″			h m
Mai 2	2 29 9.64	8 12.64	+14 18 18.5	50 2.4	0.123 1308	5297	11 52.6
3	2 37 22.28	8 19.03	15 8 20.9	49 14.6	0.122 6011	9655	11 57.0
4	2 45 41.31	8 24.82	15 57 35.5	48 14.6	0.121 6356	1 4193	12 1.4
5	2 54 6.13	8 29.88	16 45 50.1	47 2.2	0.120 2163	1 8888	12 5.9
6	3 2 36.01	8 34.07	17 32 52.3	45 37.4	0.118 3275	2 3702	12 10.5
7	3 11 10.08	8 37.26	18 18 29.7	44 0.3	0.115 9573	2 8591	12 15.2
8	3 19 47.34	8 39.35	+19 2 30.0	42 11.6	0.113 0982	3 3513	12 19.9
9	3 28 26.69	8 40.27	19 44 41.6	40 12.0	0.109 7469	3 8419	12 24.7
10	3 37 6.96	8 39.93	20 24 53.6	38 2.7	0.105 9050	4 3258	12 29.4
11	3 45 46.89	8 38.32	21 2 56.3	35 45.2	0.101 5792	4 7986	12 34.1
12	3 54 25.21	8 35.45	21 38 41.5	33 20.8	0.096 7806	5 2565	12 38.8
13	4 3 0.66	8 31.30	22 12 2.3	30 51.0	0.091 5241	5 6956	12 43.4
14	4 11 31.96	8 25.95	+22 42 53.3	28 17.7	0.085 8285	6 1129	12 48.0
15	4 19 57.91	8 19.45	23 11 11.0	25 42.5	0.079 7156	6 5070	12 52.5
16	4 28 17.36	8 11.87	23 36 53.5	23 6.7	0.073 2086	6 8760	12 56.8
17	4 36 29.23	8 3.28	24 0 0.2	20 31.6	0.066 3326	7 2189	13 1.0
18	4 44 32.51	7 53.80	24 20 31.8	17 58.6	0.059 1137	7 5361	13 5.0
19	4 52 26.31	7 43.48	24 38 30.4	15 28.6	0.051 5776	7 8278	13 8.9
20	5 0 9.79	7 32.42	+24 53 59.0	13 2.4	0.043 7498	8 0949	13 12.6
21	5 7 42.21	7 20.66	25 7 1.4	10 40.9	0.035 6549	8 3380	13 16.1
22	5 15 2.87	7 8.30	25 17 42.3	8 24.5	0.027 3169	8 5581	13 19.4
23	5 22 11.17	6 55.39	25 26 6.8	6 13.7	0.018 7588	8 7566	13 22.4
24	5 29 6.56	6 41.97	25 32 20.5	4 8.6	0.010 0022	8 9347	13 25.3
25	5 35 48.53	6 28.07	25 36 29.1	2 9.5	0.001 0675	9 0932	13 27.9
26	5 42 16.60	6 13.75	+25 38 38.6	0 16.7	9.991 9743	9 2331	13 30.3
27	5 48 30.35	5 59.02	25 38 55.3	1 29.9	9.982 7412	9 3554	13 32.5
28	5 54 29.37	5 43.92	25 37 25.4	3 10.1	9.973 3858	9 4604	13 34.4
29	6 0 13.29	5 28.44	25 34 15.3	4 44.2	9.963 9254	9 5489	13 36.0
30	6 5 41.73	5 12.59	25 29 31.1	6 12.0	9.954 3765	9 6212	13 37.4
31	6 10 54.32	4 56.40	25 23 19.1	7 33.7	9.944 7553	9 6769	13 38.5
Juni 1	6 15 50.72	4 39.86	+25 15 45.4	8 49.3	9.935 0784	9 7159	13 39.4
2	6 20 30.58	4 22.96	25 6 56.1	9 58.8	9.925 3625	9 7379	13 39.9
3	6 24 53.54	4 5.70	24 56 57.3	11 2.6	9.915 6246	9 7425	13 40.2
4	6 28 59.24	3 48.12	24 45 54.7	12 0.5	9.905 8821	9 7282	13 40.2
5	6 32 47.36	3 30.19	24 33 54.2	12 52.4	9.896 1539	9 6937	13 39.9
6	6 36 17.55	3 11.90	24 21 1.8	13 38.7	9.886 4602	9 6381	13 39.3
7	6 39 29.45	2 53.31	+24 7 23.1	14 19.5	9.876 8221	9 5594	13 38.4
8	6 42 22.76	2 34.39	23 53 3.6	14 54.7	9.867 2627	9 4559	13 37.1
9	6 44 57.15	2 15.18	23 38 8.9	15 24.5	9.857 8068	9 3253	13 35.6
10	6 47 12.33	1 55.73	23 22 44.4	15 48.7	9.848 4815	9 1650	13 33.7
11	6 49 8.06	1 36.04	23 6 55.7	16 7.5	9.839 3165	8 9727	13 31.5
12	6 50 44.10		+22 50 48.2		9.830 3438		13 29.0

Tag	0h Welt-Zeit: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1928	h m s	m s	° ′ ″	′ ″			h m
Juni 12	6 50 44.10	1 16.19	+22 50 48.2	16 20.8	9.830 3438	8 7458	13 29.0
13	6 52 0.29	0 56.27	22 34 27.4	16 29.0	9.821 5980	8 4816	13 26.1
14	6 52 56.56	0 36.33	22 17 58.4	16 31.8	9.813 1164	8 1772	13 22.9
15	6 53 32.89	0 16.48	22 1 26.6	16 29.1	9.804 9392	7 8295	13 19.4
16	6 53 49.37	0 3.13	21 44 57.5	16 21.1	9.797 1097	7 4362	13 15.6
17	6 53 46.24	0 22.38	21 28 36.4	16 7.8	9.789 6735	6 9954	13 11.4
18	6 53 23.86	0 41.11	+21 12 28.6	15 49.1	9.782 6781	6 5047	13 7.0
19	6 52 42.75	0 59.12	20 56 39.5	15 25.1	9.776 1734	5 9627	13 2.2
20	6 51 43.63	1 16.19	20 41 14.4	14 55.6	9.770 2107	5 3698	12 57.1
21	6 50 27.44	1 32.15	20 26 18.8	14 20.6	9.764 8409	4 7255	12 51.8
22	6 48 55.29	1 46.74	20 11 58.2	13 40.3	9.760 1154	4 0317	12 46.2
23	6 47 8.55	1 59.72	19 58 17.9	12 54.9	9.756 0837	3 2914	12 40.4
24	6 45 8.83	2 10.89	+19 45 23.0	12 4.1	9.752 7923	2 5085	12 34.4
25	6 42 57.94	2 20.05	19 33 18.9	11 8.2	9.750 2838	1 6884	12 28.2
26	6 40 37.89	2 27.00	19 22 10.7	10 7.6	9.748 5954	8373	12 21.9
27	6 38 10.89	2 31.59	19 12 3.1	9 2.3	9.747 7581	369	12 15.5
28	6 35 39.30	2 33.72	19 3 0.8	7 52.7	9.747 7950	9256	12 9.0
29	6 33 5.58	2 33.33	18 55 8.1	6 39.5	9.748 7206	1 8202	12 2.5
30	6 30 32.25	2 30.39	+18 48 28.6	5 23.1	9.750 5408	2 7111	11 56.1
Juli 1	6 28 1.86	2 24.91	18 43 5.5	4 4.2	9.753 2519	3 5890	11 49.7
2	6 25 36.95	2 17.01	18 39 1.3	2 43.5	9.756 8409	4 4454	11 43.4
3	6 23 19.94	2 6.80	18 36 17.8	1 21.9	9.761 2863	5 2718	11 37.3
4	6 21 13.14	1 54.42	18 34 55.9	0 0.2	9.766 5581	6 0612	11 31.4
5	6 19 18.72	1 40.06	18 34 55.7	1 20.9	9.772 6193	6 8073	11 25.7
6	6 17 38.66	1 23.92	+18 36 16.6	2 40.2	9.779 4266	7 5051	11 20.2
7	6 16 14.74	1 6.23	18 38 56.8	3 57.1	9.786 9317	8 1512	11 15.0
8	6 15 8.51	0 47.17	18 42 53.9	5 10.5	9.795 0829	8 7428	11 10.1
9	6 14 21.34	0 26.96	18 48 4.4	6 19.6	9.803 8257	9 2785	11 5.6
10	6 13 54.38	0 5.83	18 54 24.0	7 23.8	9.813 1042	9 7579	11 1.3
11	6 13 48.55	0 16.07	19 1 47.8	8 22.3	9.822 8621	10 1816	10 57.5
12	6 14 4.62	0 38.58	+19 10 10.1	9 14.4	9.833 0437	10 5504	10 54.0
13	6 14 43.20	1 1.53	19 19 24.5	9 59.4	9.843 5941	10 8659	10 50.9
14	6 15 44.73	1 24.80	19 29 23.9	10 37.0	9.854 4600	11 1298	10 48.1
15	6 17 9.53	1 48.29	19 40 0.9	11 6.4	9.865 5898	11 3441	10 45.8
16	6 18 57.82	2 11.89	19 51 7.3	11 27.2	9.876 9339	11 5110	10 43.8
17	6 21 9.71	2 35.54	20 2 34.5	11 39.0	9.888 4449	11 6324	10 42.3
18	6 23 45.25	2 59.15	+20 14 13.5	11 41.3	9.900 0773	11 7099	10 41.1
19	6 26 44.40	3 22.66	20 25 54.8	11 33.8	9.911 7872	11 7450	10 40.3
20	6 30 7.06	3 46.03	20 37 28.6	11 15.9	9.923 5322	11 7391	10 39.9
21	6 33 53.09	4 9.18	20 48 44.5	10 47.3	9.935 2713	11 6934	10 39.9
22	6 38 2.27	4 32.05	20 59 31.8	10 7.6	9.946 9647	11 6084	10 40.3
23	6 42 34.32		+21 9 39.4		9.958 5731		10 41.0

Tag		0ʰ Welt-Zeit: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1928		h m s	m s	° ′ ″	′ ″			h m
Juli	23	6 42 34.32	4 54.55	+21 9 39.4	9 16.6	9.958 5731	11 4844	10 41.0
	24	6 47 28.87	5 16.61	21 18 56.0	8 14.1	9.970 0575	11 3223	10 42.2
	25	6 52 45.48	5 38.12	21 27 10.1	6 59.8	9.981 3798	11 1220	10 43.7
	26	6 58 23.60	5 58.99	21 34 9.9	5 33.7	9.992 5018	10 8840	10 45.5
	27	7 4 22.59	6 19.08	21 39 43.6	3 55.9	0.003 3858	10 6082	10 47.7
	28	7 10 41.67	6 38.21	21 43 39.5	2 6.9	0.013 9940	10 2957	10 50.2
	29	7 17 19.88	6 56.27	+21 45 46.4	0 7.1	0.024 2897	9 9474	10 53.1
	30	7 24 16.15	7 13.10	21 45 53.5	2 2.9	0.034 2371	9 5648	10 56.2
	31	7 31 29.25	7 28.50	21 43 50.6	4 21.8	0.043 8019	9 1499	10 59.6
Aug.	1	7 38 57.75	7 42.35	21 39 28.8	6 48.3	0.052 9518	8 7053	11 3.3
	2	7 46 40.10	7 54.50	21 32 40.5	9 21.0	0.061 6571	8 2348	11 7.1
	3	7 54 34.60	8 4.83	21 23 19.5	11 58.0	0.069 8919	7 7429	11 11.2
	4	8 2 39.43	8 13.29	+21 11 21.5	14 37.4	0.077 6348	7 2341	11 15.4
	5	8 10 52.72	8 19.83	20 56 44.1	17 17.4	0.084 8689	6 7133	11 19.8
	6	8 19 12.55	8 24.45	20 39 26.7	19 55.8	0.091 5822	6 1866	11 24.2
	7	8 27 37.00	8 27.21	20 19 30.9	22 30.6	0.097 7688	5 6593	11 28.7
	8	8 36 4.21	8 28.20	19 57 0.3	25 0.4	0.103 4281	5 1364	11 33.2
	9	8 44 32.41	8 27.54	19 31 59.9	27 23.5	0.108 5645	4 6228	11 37.8
	10	8 52 59.95	8 25.42	+19 4 36.4	29 38.9	0.113 1873	4 1227	11 42.3
	11	9 1 25.37	8 21.98	18 34 57.5	31 45.5	0.117 3100	3 6396	11 46.8
	12	9 9 47.35	8 17.41	18 3 12.0	33 42.7	0.120 9496	3 1763	11 51.2
	13	9 18 4.76	8 11.90	17 29 29.3	35 30.1	0.124 1259	2 7342	11 55.5
	14	9 26 16.66	8 5.63	16 53 59.2	37 7.9	0.126 8601	2 3151	11 59.7
	15	9 34 22.29	7 58.78	16 16 51.3	38 36.0	0.129 1752	1 9192	12 3.8
	16	9 42 21.07	7 51.47	+15 38 15.3	39 54.5	0.131 0944	1 5462	12 7.8
	17	9 50 12.54	7 43.85	14 58 20.8	41 3.9	0.132 6406	1 1963	12 11.7
	18	9 57 56.39	7 36.05	14 17 16.9	42 4.8	0.133 8369	8683	12 15.4
	19	10 5 32.44	7 28.15	13 35 12.1	42 57.5	0.134 7052	5611	12 19.0
	20	10 13 0.59	7 20.24	12 52 14.6	43 42.6	0.135 2663	2736	12 22.5
	21	10 20 20.83	7 12.40	12 8 32.0	44 20.8	0.135 5399	41	12 25.8
	22	10 27 33.23	7 4.68	+11 24 11.2	44 52.5	0.135 5440	2486	12 29.0
	23	10 34 37.91	6 57.11	10 39 18.7	45 18.2	0.135 2954	4859	12 32.1
	24	10 41 35.02	6 49.74	9 54 0.5	45 38.4	0.134 8095	7093	12 35.0
	25	10 48 24.76	6 42.58	9 8 22.1	45 53.6	0.134 1002	9201	12 37.8
	26	10 55 7.34	6 35.64	8 22 28.5	46 4.3	0.133 1801	1 1199	12 40.6
	27	11 1 42.98	6 28.94	7 36 24.2	46 10.7	0.132 0602	1 3097	12 43.2
	28	11 8 11.92	6 22.50	+ 6 50 13.5	46 13.2	0.130 7505	1 4906	12 45.7
	29	11 14 34.42	6 16.30	6 4 0.3	46 12.4	0.129 2599	1 6641	12 48.0
	30	11 20 50.72	6 10.34	5 17 47.9	46 8.1	0.127 5958	1 8308	12 50.3
	31	11 27 1.06	6 4.63	4 31 39.8	46 0.7	0.125 7650	1 9919	12 52.5
Sept.	1	11 33 5.69	5 59.13	3 45 39.1	45 50.9	0.123 7731	2 1484	12 54.6
	2	11 39 4.82		+ 2 59 48.2		0.121 6247		12 56.6

Tag	0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1928	h m s	m s	° ′ ″	′ ″			h m
Sept. 2	11 39 4.82	5 53.87	+ 2 59 48.2	45 38.3	0.121 6247	2 3010	12 56.6
3	11 44 58.69	5 48.80	2 14 9.9	45 23.2	0.119 3237	2 4508	12 58.5
4	11 50 47.49	5 43.93	1 28 46.7	45 6.1	0.116 8729	2 5982	13 0.3
5	11 56 31.42	5 39.26	+ 0 43 40.6	44 46.8	0.114 2747	2 7441	13 2.1
6	12 2 10.68	5 34.74	− 0 1 6.2	44 25.4	0.111 5306	2 8893	13 3.7
7	12 7 45.42	5 30.39	0 45 31.6	44 2.1	0.108 6413	3 0341	13 5.3
8	12 13 15.81	5 26.16	− 1 29 33.7	43 36.9	0.105 6072	3 1792	13 6.9
9	12 18 41.97	5 22.05	2 13 10.6	43 9.9	0.102 4280	3 3255	13 8.3
10	12 24 4.02	5 18.04	2 56 20.5	42 41.2	0.099 1025	3 4730	13 9.7
11	12 29 22.06	5 14.10	3 39 1.7	42 10.5	0.095 6295	3 6224	13 11.0
12	12 34 36.16	5 10.23	4 21 12.2	41 38.2	0.092 0071	3 7744	13 12.3
13	12 39 46.39	5 6.40	5 2 50.4	41 4.0	0.088 2327	3 9291	13 13.5
14	12 44 52.79	5 2.56	− 5 43 54.4	40 28.2	0.084 3036	4 0869	13 14.6
15	12 49 55.35	4 58.73	6 24 22.6	39 50.5	0.080 2167	4 2485	13 15.7
16	12 54 54.08	4 54.84	7 4 13.1	39 10.7	0.075 9682	4 4139	13 16.7
17	12 59 48.92	4 50.90	7 43 23.8	38 29.0	0.071 5543	4 5839	13 17.6
18	13 4 39.82	4 46.86	8 21 52.8	37 45.5	0.066 9704	4 7586	13 18.5
19	13 9 26.68	4 42.69	8 59 38.3	36 59.7	0.062 2118	4 9381	13 19.3
20	13 14 9.37	4 38.35	− 9 36 38.0	36 11.6	0.057 2737	5 1231	13 20.0
21	13 18 47.72	4 33.81	10 12 49.6	35 21.1	0.052 1506	5 3136	13 20.7
22	13 23 21.53	4 29.03	10 48 10.7	34 28.2	0.046 8370	5 5099	13 21.2
23	13 27 50.56	4 23.93	11 22 38.9	33 32.3	0.041 3271	5 7122	13 21.7
24	13 32 14.49	4 18.49	11 56 11.2	32 33.5	0.035 6149	5 9204	13 22.1
25	13 36 32.98	4 12.66	12 28 44.7	31 31.7	0.029 6945	6 1344	13 22.5
26	13 40 45.64	4 6.35	−13 0 16.4	30 26.3	0.023 5601	6 3545	13 22.7
27	13 44 51.99	3 59.51	13 30 42.7	29 17.0	0.017 2056	6 5802	13 22.8
28	13 48 51.50	3 52.06	13 59 59.7	28 3.6	0.010 6254	6 8109	13 22.8
29	13 52 43.56	3 43.91	14 28 3.3	26 45.6	0.003 8145	7 0461	13 22.6
30	13 56 27.47	3 34.99	14 54 48.9	25 22.6	9.996 7684	7 2849	13 22.3
Okt. 1	14 0 2.46	3 25.19	15 20 11.5	23 54.1	9.989 4835	7 5260	13 21.8
2	14 3 27.65	3 14.39	−15 44 5.6	22 19.3	9.981 9575	7 7677	13 21.2
3	14 6 42.04	3 2.50	16 6 24.9	20 37.6	9.974 1898	8 0077	13 20.4
4	14 9 44.54	2 49.39	16 27 2.5	18 48.4	9.966 1821	8 2434	13 19.4
5	14 12 33.93	2 34.93	16 45 50.9	16 50.8	9.957 9387	8 4709	13 18.2
6	14 15 8.86	2 18.99	17 2 41.7	14 43.6	9.949 4678	8 6855	13 16.7
7	14 17 27.85	2 1.46	17 17 25.3	12 25.8	9.940 7823	8 8814	13 14.9
8	14 19 29.31	1 42.21	−17 29 51.1	9 56.6	9.931 9009	9 0514	13 12.8
9	14 21 11.52	1 21.16	17 39 47.7	7 14.8	9.922 8495	9 1866	13 10.4
10	14 22 32.68	0 58.22	17 47 2.5	4 18.9	9.913 6629	9 2761	13 7.6
11	14 23 30.90	0 33.37	17 51 21.4	1 8.3	9.904 3868	9 3069	13 4.4
12	14 24 4.27	0 6.68	17 52 29.7	2 17.8	9.895 0799	9 2645	13 0.8
13	14 24 10.95		−17 50 11.9		9.885 8154		12 56.7

Tag	0ʰ Welt-Zeit						Obere Kulmination in Greenwich
	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1928	h m s	m s	° ′ ″	′ ″			h m
Okt. 13	14 24 10.95	0 21.73	−17 50 11.9	6 0.2	9.885 8154	9 1311	12 56.7
14	14 23 49.22	0 51.62	17 44 11.7	9 58.1	9.876 6843	8 8876	12 52.1
15	14 22 57.60	1 22.58	17 34 13.6	14 10.6	9.867 7967	8 5138	12 47.1
16	14 21 35.02	1 54.02	17 20 3.0	18 35.2	9.859 2829	7 9878	12 41.5
17	14 19 41.00	2 25.17	17 1 27.8	23 7.4	9.851 2951	7 2899	12 35.4
18	14 17 15.83	2 55.06	16 38 20.4	27 41.2	9.844 0052	6 4040	12 28.8
19	14 14 20.77	3 22.56	−16 10 39.2	32 7.9	9.837 6012	5 3194	12 21.8
20	14 10 58.21	3 46.39	15 38 31.3	36 16.9	9.832 2818	4 0350	12 14.3
21	14 7 11.82	4 5.22	15 2 14.4	39 55.8	9.828 2468	2 5621	12 6.4
22	14 3 6.60	4 17.81	14 22 18.6	42 51.2	9.825 6847	9265	11 58.3
23	13 58 48.79	4 23.17	13 39 27.4	44 50.3	9.824 7582	8314	11 50.1
24	13 54 25.62	4 20.58	12 54 37.1	45 42.6	9.825 5896	2 6579	11 41.8
25	13 50 5.04	4 9.86	−12 8 54.5	45 21.4	9.828 2475	4 4898	11 33.6
26	13 45 55.18	3 51.30	11 23 33.1	43 44.6	9.832 7373	6 2603	11 25.7
27	13 42 3.88	3 25.62	10 39 48.5	40 55.6	9.838 9976	7 9064	11 18.1
28	13 38 38.26	2 54.00	9 58 52.9	37 2.5	9.846 9040	9 3744	11 11.0
29	13 35 44.26	2 17.83	9 21 50.4	32 17.5	9.856 2784	10 6252	11 4.5
30	13 33 26.43	1 38.63	8 49 32.9	26 54.7	9.866 9036	11 6359	10 58.6
31	13 31 47.80	0 57.87	− 8 22 38.2	21 8.6	9.878 5395	12 3994	10 53.3
Nov. 1	13 30 49.93	0 16.90	8 1 29.6	15 3.2	9.890 9389	12 9228	10 48.7
2	13 30 33.03	0 23.19	7 46 16.4	9 20.6	9.903 8617	13 2243	10 44.8
3	13 30 56.22	1 1.50	7 36 55.8	3 40.4	9.917 0860	13 3288	10 41.6
4	13 31 57.72	1 37.40	7 33 15.4	1 39.9	9.930 4148	13 2650	10 38.9
5	13 33 35.12	2 10.52	7 34 55.3	6 35.4	9.943 6798	13 0629	10 36.9
6	13 35 45.64	2 40.65	− 7 41 30.7	11 3.4	9.956 7427	12 7511	10 35.3
7	13 38 26.29	3 7.75	7 52 34.1	15 2.3	9.969 4938	12 3559	10 34.3
8	13 41 34.04	3 31.92	8 7 36.4	18 32.3	9.981 8497	11 9005	10 33.6
9	13 45 5.96	3 53.30	8 26 8.7	21 34.5	9.993 7502	11 4047	10 33.4
10	13 48 59.26	4 12.09	8 47 43.2	24 10.2	0.005 1549	10 8845	10 33.5
11	13 53 11.35	4 28.55	9 11 53.4	26 21.2	0.016 0394	10 3526	10 33.8
12	13 57 39.90	4 42.91	− 9 38 14.6	28 10.0	0.026 3920	9 8193	10 34.5
13	14 2 22.81	4 55.43	10 6 24.6	29 38.4	0.036 2113	9 2925	10 35.4
14	14 7 18.24	5 6.32	10 36 3.0	30 48.6	0.045 5038	8 7776	10 36.4
15	14 12 24.56	5 15.82	11 6 51.6	31 42.8	0.054 2814	8 2785	10 37.7
16	14 17 40.38	5 24.10	11 38 34.4	32 22.6	0.062 5599	7 7976	10 39.0
17	14 23 4.48	5 31.35	12 10 57.0	32 49.7	0.070 3575	7 3367	10 40.6
18	14 28 35.83	5 37.74	−12 43 46.7	33 5.7	0.077 6942	6 8966	10 42.2
19	14 34 13.57	5 43.38	13 16 52.4	33 11.9	0.084 5908	6 4772	10 43.9
20	14 39 56.95	5 48.38	13 50 4.3	33 9.5	0.091 0680	6 0786	10 45.7
21	14 45 45.33	5 52.86	14 23 13.8	32 59.5	0.097 1466	5 6998	10 47.6
22	14 51 38.19	5 56.91	14 56 13.3	32 43.0	0.102 8464	5 3403	10 49.6
23	14 57 35.10		−15 28 56.3		0.108 1867		10 51.6

Tag	0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1928	h m s	m s	° ′ ″	′ ″			h m
Nov. 23	14 57 35.10	6 0.60	−15 28 56.3	32 20.5	0.108 1867	4 9992	10 51.6
24	15 3 35.70	6 3.98	16 1 16.8	31 52.7	0.113 1859	4 6750	10 53.7
25	15 9 39.68	6 7.12	16 33 9.5	31 20.4	0.117 8609	4 3670	10 55.9
26	15 15 46.80	6 10.07	17 4 29.9	30 44.0	0.122 2279	4 0740	10 58.1
27	15 21 56.87	6 12.83	17 35 13.9	30 3.9	0.126 3019	3 7950	11 0.4
28	15 28 9.70	6 15.47	18 5 17.8	29 20.6	0.130 0969	3 5288	11 2.7
29	15 34 25.17	6 18.01	−18 34 38.4	28 34.1	0.133 6257	3 2745	11 5.0
30	15 40 43.18	6 20.46	19 3 12.5	27 44.8	0.136 9002	3 0309	11 7.4
Dez. 1	15 47 3.64	6 22.83	19 30 57.3	26 53.1	0.139 9311	2 7973	11 9.8
2	15 53 26.47	6 25.15	19 57 50.4	25 59.2	0.142 7284	2 5726	11 12.3
3	15 59 51.62	6 27.43	20 23 49.6	25 3.0	0.145 3010	2 3561	11 14.8
4	16 6 19.05	6 29.65	20 48 52.6	24 4.7	0.147 6571	2 1470	11 17.3
5	16 12 48.70	6 31.84	−21 12 57.3	23 4.5	0.149 8041	1 9445	11 19.9
6	16 19 20.54	6 34.01	21 36 1.8	22 2.5	0.151 7486	1 7481	11 22.5
7	16 25 54.55	6 36.13	21 58 4.3	20 58.8	0.153 4967	1 5570	11 25.1
8	16 32 30.68	6 38.24	22 19 3.1	19 53.3	0.155 0537	1 3705	11 27.8
9	16 39 8.92	6 40.30	22 38 56.4	18 46.3	0.156 4242	1 1880	11 30.5
10	16 45 49.22	6 42.34	22 57 42.7	17 37.7	0.157 6122	1 0090	11 33.3
11	16 52 31.56	6 44.35	−23 15 20.4	16 27.6	0.158 6212	8329	11 36.0
12	16 59 15.91	6 46.31	23 31 48.0	15 15.9	0.159 4541	6591	11 38.9
13	17 6 2.22	6 48.21	23 47 3.9	14 2.9	0.160 1132	4871	11 41.7
14	17 12 50.43	6 50.08	24 1 6.8	12 48.4	0.160 6003	3164	11 44.6
15	17 19 40.51	6 51.91	24 13 55.2	11 32.5	0.160 9167	1464	11 47.5
16	17 26 32.42	6 53.65	24 25 27.7	10 15.2	0.161 0631	234	11 50.4
17	17 33 26.07	6 55.32	−24 35 42.9	8 56.6	0.161 0397	1934	11 53.4
18	17 40 21.39	6 56.93	24 44 39.5	7 36.7	0.160 8463	3642	11 56.4
19	17 47 18.32	6 58.45	24 52 16.2	6 15.5	0.160 4821	5364	11 59.4
20	17 54 16.77	6 59.87	24 58 31.7	4 52.9	0.159 9457	7106	12 2.5
21	18 1 16.64	7 1.19	25 3 24.6	3 29.3	0.159 2351	8870	12 5.6
22	18 8 17.83	7 2.40	25 6 53.9	2 4.3	0.158 3481	1 0666	12 8.7
23	18 15 20.23	7 3.50	−25 8 58.2	0 38.1	0.157 2815	1 2499	12 11.8
24	18 22 23.73	7 4.44	25 9 36.3	0 49.1	0.156 0316	1 4373	12 14.9
25	18 29 28.17	7 5.24	25 8 47.2	2 17.5	0.154 5943	1 6298	12 18.0
26	18 36 33.41	7 5.90	25 6 29.7	3 46.9	0.152 9645	1 8280	12 21.2
27	18 43 39.31	7 6.38	25 2 42.8	5 17.2	0.151 1365	2 0327	12 24.4
28	18 50 45.69	7 6.66	24 57 25.6	6 48.5	0.149 1038	2 2446	12 27.5
29	18 57 52.35	7 6.74	−24 50 37.1	8 20.6	0.146 8592	2 4646	12 30.7
30	19 4 59.09	7 6.60	24 42 16.5	9 53.5	0.144 3946	2 6937	12 33.9
31	19 12 5.69	7 6.19	24 32 23.0	11 26.8	0.141 7009	2 9328	12 37.1
32	19 19 11.88		−24 20 56.2		0.138 7681		12 40.2

Tag	0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1928	h m s	m s	° ′ ″	′ ″			h m
Jan. 0	15 34 17.12	4 44.71	−16 39 54.0	17 30.2	9.989 3846	3 1316	9 0.9
1	15 39 1.83	4 46.03	16 57 24.2	17 9.1	9.992 5162	3 1006	9 1.7
2	15 43 47.86	4 47.34	17 14 33.3	16 47.3	9.995 6168	3 0701	9 2.5
3	15 48 35.20	4 48.65	17 31 20.6	16 24.6	9.998 6869	3 0400	9 3.4
4	15 53 23.85	4 49.95	17 47 45.2	16 1.2	0.001 7269	3 0104	9 4.3
5	15 58 13.80	4 51.24	18 3 46.4	15 37.0	0.004 7373	2 9809	9 5.2
6	16 3 5.04	4 52.53	−18 19 23.4	15 12.0	0.007 7182	2 9519	9 6.1
7	16 7 57.57	4 53.79	18 34 35.4	14 46.4	0.010 6701	2 9232	9 7.0
8	16 12 51.36	4 55.05	18 49 21.8	14 20.1	0.013 5933	2 8946	9 8.0
9	16 17 46.41	4 56.28	19 3 41.9	13 52.9	0.016 4879	2 8663	9 9.0
10	16 22 42.69	4 57.49	19 17 34.8	13 25.0	0.019 3542	2 8382	9 10.0
11	16 27 40.18	4 58.68	19 30 59.8	12 56.5	0.022 1924	2 8102	9 11.0
12	16 32 38.86	4 59.84	−19 43 56.3	12 27.2	0.025 0026	2 7825	9 12.0
13	16 37 38.70	5 0.97	19 56 23.5	11 57.4	0.027 7851	2 7551	9 13.1
14	16 42 39.67	5 2.07	20 8 20.9	11 26.7	0.030 5402	2 7280	9 14.2
15	16 47 41.74	5 3.14	20 19 47.6	10 55.5	0.033 2682	2 7010	9 15.3
16	16 52 44.88	5 4.18	20 30 43.1	10 23.7	0.035 9692	2 6744	9 16.4
17	16 57 49.06	5 5.17	20 41 6.8	9 51.3	0.038 6436	2 6479	9 17.5
18	17 2 54.23	5 6.12	−20 50 58.1	9 18.2	0.041 2915	2 6217	9 18.7
19	17 8 0.35	5 7.03	21 0 16.3	8 44.7	0.043 9132	2 5959	9 19.8
20	17 13 7.38	5 7.90	21 9 1.0	8 10.7	0.046 5091	2 5704	9 21.0
21	17 18 15.28	5 8.72	21 17 11.7	7 35.9	0.049 0795	2 5451	9 22.2
22	17 23 24.00	5 9.50	21 24 47.6	7 0.8	0.051 6246	2 5202	9 23.5
23	17 28 33.50	5 10.23	21 31 48.4	6 25.4	0.054 1448	2 4956	9 24.7
24	17 33 43.73	5 10.91	−21 38 13.8	5 49.4	0.056 6404	2 4714	9 25.9
25	17 38 54.64	5 11.53	21 44 3.2	5 13.0	0.059 1118	2 4475	9 27.1
26	17 44 6.17	5 12.11	21 49 16.2	4 36.4	0.061 5593	2 4239	9 28.4
27	17 49 18.28	5 12.63	21 53 52.6	3 59.3	0.063 9832	2 4008	9 29.7
28	17 54 30.91	5 13.11	21 57 51.9	3 21.9	0.066 3840	2 3780	9 30.9
29	17 59 44.02	5 13.54	22 1 13.8	2 44.4	0.068 7620	2 3556	9 32.2
30	18 4 57.56	5 13.91	−22 3 58.2	2 6.6	0.071 1176	2 3336	9 33.5
31	18 10 11.47	5 14.23	22 6 4.8	1 28.6	0.073 4512	2 3119	9 34.8
Febr. 1	18 15 25.70	5 14.50	22 7 33.4	0 50.4	0.075 7631	2 2905	9 36.1
2	18 20 40.20	5 14.73	22 8 23.8	0 11.9	0.078 0536	2 2693	9 37.4
3	18 25 54.93	5 14.90	22 8 35.7	0 26.6	0.080 3229	2 2484	9 38.7
4	18 31 9.83	5 15.01	22 8 9.1	1 5.1	0.082 5713	2 2276	9 40.0
5	18 36 24.84	5 15.09	−22 7 4.0	1 43.9	0.084 7989	2 2070	9 41.3
6	18 41 39.93	5 15.11	22 5 20.1	2 22.6	0.087 0059	2 1866	9 42.6
7	18 46 55.04	5 15.07	22 2 57.5	3 1.3	0.089 1925	2 1662	9 43.9
8	18 52 10.11	5 14.97	21 59 56.2	3 40.0	0.091 3587	2 1460	9 45.2
9	18 57 25.08	5 14.83	21 56 16.2	4 18.6	0.093 5047	2 1260	9 46.5
10	19 2 39.91		−21 51 57.6		0.095 6307		9 47.9

Tag	0h Welt-Zeit: Scheinbare Rektaszension		0h Welt-Zeit: Scheinbare Deklination		0h Welt-Zeit: log Δ		Obere Kulmination in Greenwich
1928	h m s	m s	° ′ ″	′ ″			h m
Febr. 10	19 2 39.91	5 14.64	−21 51 57.6	4 57.2	0.095 6307	2 1060	9 47.9
11	19 7 54.55	5 14.40	21 47 0.4	5 35.8	0.097 7367	2 0862	9 49.2
12	19 13 8.95	5 14.10	21 41 24.6	6 14.1	0.099 8229	2 0664	9 50.5
13	19 18 23.05	5 13.75	21 35 10.5	6 52.2	0.101 8893	2 0469	9 51.8
14	19 23 36.80	5 13.34	21 28 18.3	7 30.1	0.103 9362	2 0275	9 53.0
15	19 28 50.14	5 12.90	21 20 48.2	8 7.8	0.105 9637	2 0081	9 54.3
16	19 34 3.04	5 12.41	−21 12 40.4	8 45.4	0.107 9718	1 9889	9 55.6
17	19 39 15.45	5 11.86	21 3 55.0	9 22.6	0.109 9607	1 9699	9 56.8
18	19 44 27.31	5 11.28	20 54 32.4	9 59.5	0.111 9306	1 9510	9 58.1
19	19 49 38.59	5 10.64	20 44 32.9	10 36.1	0.113 8816	1 9321	9 59.3
20	19 54 49.23	5 9.98	20 33 56.8	11 12.2	0.115 8137	1 9136	10 0.6
21	19 59 59.21	5 9.26	20 22 44.6	11 48.0	0.117 7273	1 8952	10 1.8
22	20 5 8.47	5 8.51	−20 10 56.6	12 23.4	0.119 6225	1 8770	10 3.0
23	20 10 16.98	5 7.72	19 58 33.2	12 58.3	0.121 4995	1 8591	10 4.2
24	20 15 24.70	5 6.90	19 45 34.9	13 32.8	0.123 3586	1 8414	10 5.4
25	20 20 31.60	5 6.06	19 32 2.1	14 6.8	0.125 2000	1 8240	10 6.5
26	20 25 37.66	5 5.18	19 17 55.3	14 40.3	0.127 0240	1 8068	10 7.7
27	20 30 42.84	5 4.29	19 3 15.0	15 13.3	0.128 8308	1 7899	10 8.8
28	20 35 47.13	5 3.38	−18 48 1.7	15 45.8	0.130 6207	1 7732	10 10.0
29	20 40 50.51	5 2.44	18 32 15.9	16 17.8	0.132 3939	1 7567	10 11.1
März 1	20 45 52.95	5 1.50	18 15 58.1	16 49.2	0.134 1506	1 7405	10 12.2
2	20 50 54.45	5 0.54	17 59 8.9	17 19.9	0.135 8911	1 7242	10 13.2
3	20 55 54.99	4 59.57	17 41 49.0	17 50.1	0.137 6153	1 7082	10 14.3
4	21 0 54.56	4 58.59	17 23 58.9	18 19.9	0.139 3235	1 6924	10 15.3
5	21 5 53.15	4 57.61	−17 5 39.0	18 49.0	0.141 0159	1 6765	10 16.4
6	21 10 50.76	4 56.63	16 46 50.0	19 17.4	0.142 6924	1 6608	10 17.4
7	21 15 47.39	4 55.63	16 27 32.6	19 45.3	0.144 3532	1 6452	10 18.4
8	21 20 43.02	4 54.65	16 7 47.3	20 12.5	0.145 9984	1 6296	10 19.3
9	21 25 37.67	4 53.67	15 47 34.8	20 39.1	0.147 6280	1 6141	10 20.3
10	21 30 31.34	4 52.68	15 26 55.7	21 5.1	0.149 2421	1 5985	10 21.3
11	21 35 24.02	4 51.69	−15 5 50.6	21 30.4	0.150 8406	1 5830	10 22.2
12	21 40 15.71	4 50.72	14 44 20.2	21 55.1	0.152 4236	1 5675	10 23.1
13	21 45 6.43	4 49.76	14 22 25.1	22 19.1	0.153 9911	1 5522	10 24.0
14	21 49 56.19	4 48.80	14 0 6.0	22 42.4	0.155 5433	1 5367	10 24.9
15	21 54 44.99	4 47.85	13 37 23.6	23 5.0	0.157 0800	1 5213	10 25.7
16	21 59 32.84	4 46.92	13 14 18.6	23 27.0	0.158 6013	1 5060	10 26.6
17	22 4 19.76	4 45.99	−12 50 51.6	23 48.3	0.160 1073	1 4906	10 27.4
18	22 9 5.75	4 45.08	12 27 3.3	24 8.8	0.161 5979	1 4752	10 28.2
19	22 13 50.83	4 44.20	12 2 54.5	24 28.7	0.163 0731	1 4600	10 29.0
20	22 18 35.03	4 43.31	11 38 25.8	24 47.9	0.164 5331	1 4447	10 29.8
21	22 23 18.34	4 42.45	11 13 37.9	25 6.3	0.165 9778	1 4296	10 30.6
22	22 28 0.79		−10 48 31.6		0.167 4074		10 31.4

Tag	0ʰ Welt-Zeit: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1928	h m s	m s	° ′ ″	′ ″			h m
März 22	22 28 0.79	4 41.63	−10 48 31.6	25 24.1	0.167 4074	1 4146	10 31.4
23	22 32 42.42	4 40.80	10 23 7.5	25 41.0	0.168 8220	1 3997	10 32.1
24	22 37 23.22	4 40.00	9 57 26.5	25 57.4	0.170 2217	1 3849	10 32.8
25	22 42 3.22	4 39.23	9 31 29.1	26 13.0	0.171 6066	1 3703	10 33.6
26	22 46 42.45	4 38.49	9 5 16.1	26 27.8	0.172 9769	1 3559	10 34.3
27	22 51 20.94	4 37.78	8 38 48.3	26 42.1	0.174 3328	1 3416	10 35.0
28	22 55 58.72	4 37.09	− 8 12 6.2	26 55.5	0.175 6744	1 3274	10 35.6
29	23 0 35.81	4 36.44	7 45 10.7	27 8.3	0.177 0018	1 3133	10 36.3
30	23 5 12.25	4 35.82	7 18 2.4	27 20.4	0.178 3151	1 2996	10 37.0
31	23 9 48.07	4 35.24	6 50 42.0	27 31.8	0.179 6147	1 2859	10 37.6
April 1	23 14 23.31	4 34.69	6 23 10.2	27 42.6	0.180 9006	1 2719	10 38.3
2	23 18 58.00	4 34.16	5 55 27.6	27 52.5	0.182 1725	1 2580	10 38.9
3	23 23 32.16	4 33.69	− 5 27 35.1	28 1.9	0.183 4305	1 2442	10 39.5
4	23 28 5.85	4 33.25	4 59 33.2	28 10.6	0.184 6747	1 2306	10 40.1
5	23 32 39.10	4 32.85	4 31 22.6	28 18.6	0.185 9053	1 2171	10 40.7
6	23 37 11.95	4 32.47	4 3 4.0	28 25.9	0.187 1224	1 2034	10 41.3
7	23 41 44.42	4 32.14	3 34 38.1	28 32.6	0.188 3258	1 1897	10 41.9
8	23 46 16.56	4 31.86	3 6 5.5	28 38.5	0.189 5155	1 1760	10 42.5
9	23 50 48.42	4 31.60	− 2 37 27.0	28 43.8	0.190 6915	1 1623	10 43.1
10	23 55 20.02	4 31.38	2 8 43.2	28 48.4	0.191 8538	1 1485	10 43.7
11	23 59 51.40	4 31.20	1 39 54.8	28 52.3	0.193 0023	1 1347	10 44.3
12	0 4 22.60	4 31.07	1 11 2.5	28 55.5	0.194 1370	1 1209	10 44.9
13	0 8 53.67	4 30.96	0 42 7.0	28 58.1	0.195 2579	1 1070	10 45.4
14	0 13 24.63	4 30.89	− 0 13 8.9	28 59.8	0.196 3649	1 0930	10 46.0
15	0 17 55.52	4 30.87	+ 0 15 50.9	29 1.0	0.197 4579	1 0789	10 46.6
16	0 22 26.39	4 30.89	0 44 51.9	29 1.4	0.198 5368	1 0649	10 47.2
17	0 26 57.28	4 30.93	1 13 53.3	29 1.1	0.199 6017	1 0508	10 47.7
18	0 31 28.21	4 31.02	1 42 54.4	29 0.2	0.200 6525	1 0367	10 48.3
19	0 35 59.23	4 31.15	2 11 54.6	28 58.5	0.201 6892	1 0225	10 48.9
20	0 40 30.38	4 31.31	2 40 53.1	28 56.1	0.202 7117	1 0083	10 49.4
21	0 45 1.69	4 31.50	+ 3 9 49.2	28 52.9	0.203 7200	9943	10 50.0
22	0 49 33.19	4 31.73	3 38 42.1	28 49.1	0.204 7143	9804	10 50.6
23	0 54 4.92	4 31.99	4 7 31.2	28 44.6	0.205 6947	9663	10 51.2
24	0 58 36.91	4 32.30	4 36 15.8	28 39.3	0.206 6610	9524	10 51.8
25	1 3 9.21	4 32.65	5 4 55.1	28 33.4	0.207 6134	9387	10 52.4
26	1 7 41.86	4 33.03	5 33 28.5	28 26.7	0.208 5521	9251	10 53.0
27	1 12 14.89	4 33.45	+ 6 1 55.2	28 19.3	0.209 4772	9115	10 53.6
28	1 16 48.34	4 33.91	6 30 14.5	28 11.3	0.210 3887	8979	10 54.2
29	1 21 22.25	4 34.41	6 58 25.8	28 2.5	0.211 2866	8844	10 54.9
30	1 25 56.66	4 34.94	7 26 28.3	27 53.1	0.212 1710	8709	10 55.5
Mai 1	1 30 31.60	4 35.52	7 54 21.4	27 43.0	0.213 0419	8574	10 56.1
2	1 35 7.12		+ 8 22 4.4		0.213 8993		10 56.8

Tag		0h Welt-Zeit: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1928		h m s	m s	° ′ ″	′ ″			h m
Mai	2	1 35 7.12	4 36.13	+ 8 22 4.4	27 32.2	0.213 8993	8440	10 56.8
	3	1 39 43.25	4 36.78	8 49 36.6	27 20.6	0.214 7433	8305	10 57.4
	4	1 44 20.03	4 37.45	9 16 57.2	27 8.4	0.215 5738	8170	10 58.1
	5	1 48 57.48	4 38.18	9 44 5.6	26 55.5	0.216 3908	8035	10 58.8
	6	1 53 35.66	4 38.93	10 11 1.1	26 41.8	0.217 1943	7899	10 59.5
	7	1 58 14.59	4 39.70	10 37 42.9	26 27.5	0.217 9842	7763	11 0.2
	8	2 2 54.29	4 40.52	+11 4 10.4	26 12.5	0.218 7605	7626	11 0.9
	9	2 7 34.81	4 41.36	11 30 22.9	25 56.6	0.219 5231	7489	11 1.7
	10	2 12 16.17	4 42.24	11 56 19.5	25 40.1	0.220 2720	7351	11 2.4
	11	2 16 58.41	4 43.15	12 21 59.6	25 23.0	0.221 0071	7212	11 3.2
	12	2 21 41.56	4 44.08	12 47 22.6	25 5.0	0.221 7283	7073	11 4.0
	13	2 26 25.64	4 45.03	13 12 27.6	24 46.4	0.222 4356	6933	11 4.8
	14	2 31 10.67	4 46.01	+13 37 14.0	24 27.0	0.223 1289	6791	11 5.6
	15	2 35 56.68	4 47.00	14 1 41.0	24 6.9	0.223 8080	6648	11 6.4
	16	2 40 43.68	4 48.02	14 25 47.9	23 45.9	0.224 4728	6504	11 7.3
	17	2 45 31.70	4 49.05	14 49 33.8	23 24.4	0.225 1232	6361	11 8.2
	18	2 50 20.75	4 50.11	15 12 58.2	23 2.1	0.225 7593	6216	11 9.0
	19	2 55 10.86	4 51.17	15 36 0.3	22 39.0	0.226 3809	6072	11 9.9
	20	3 0 2.03	4 52.25	+15 58 39.3	22 15.1	0.226 9881	5927	11 10.9
	21	3 4 54.28	4 53.32	16 20 54.4	21 50.6	0.227 5808	5782	11 11.8
	22	3 9 47.60	4 54.41	16 42 45.0	21 25.4	0.228 1590	5638	11 12.7
	23	3 14 42.01	4 55.52	17 4 10.4	20 59.3	0.228 7228	5494	11 13.7
	24	3 19 37.53	4 56.62	17 25 9.7	20 32.5	0.229 2722	5352	11 14.7
	25	3 24 34.15	4 57.72	17 45 42.2	20 5.1	0.229 8074	5209	11 15.7
	26	3 29 31.87	4 58.84	+18 5 47.3	19 37.0	0.230 3283	5067	11 16.8
	27	3 34 30.71	4 59.96	18 25 24.3	19 8.2	0.230 8350	4925	11 17.8
	28	3 39 30.67	5 1.06	18 44 32.5	18 38.7	0.231 3275	4783	11 18.9
	29	3 44 31.73	5 2.16	19 3 11.2	18 8.7	0.231 8058	4643	11 20.0
	30	3 49 33.89	5 3.27	19 21 19.9	17 37.8	0.232 2701	4502	11 21.1
	31	3 54 37.16	5 4.37	19 38 57.7	17 6.3	0.232 7203	4361	11 22.2
Juni	1	3 59 41.53	5 5.46	+19 56 4.0	16 34.3	0.233 1564	4219	11 23.3
	2	4 4 46.99	5 6.53	20 12 38.3	16 1.6	0.233 5783	4079	11 24.5
	3	4 9 53.52	5 7.58	20 28 39.9	15 28.2	0.233 9862	3938	11 25.7
	4	4 15 1.10	5 8.63	20 44 8.1	14 54.2	0.234 3800	3797	11 26.9
	5	4 20 9.73	5 9.65	20 59 2.3	14 19.7	0.234 7597	3654	11 28.1
	6	4 25 19.38	5 10.66	21 13 22.0	13 44.6	0.235 1251	3512	11 29.3
	7	4 30 30.04	5 11.64	+21 27 6.6	13 8.9	0.235 4763	3369	11 30.5
	8	4 35 41.68	5 12.58	21 40 15.5	12 32.6	0.235 8132	3226	11 31.8
	9	4 40 54.26	5 13.49	21 52 48.1	11 55.9	0.236 1358	3081	11 33.1
	10	4 46 7.75	5 14.39	22 4 44.0	11 18.6	0.236 4439	2936	11 34.4
	11	4 51 22.14	5 15.25	22 16 2.6	10 40.9	0.236 7375	2790	11 35.7
	12	4 56 37.39		+22 26 43.5		0.237 0165		11 37.0

Tag	0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1928	h m s	m s	° ′ ″	′ ″			h m
Juni 12	4 56 37.39	5 16.06	+22 26 43.5	10 2.6	0.237 0165	2644	11 37.0
13	5 1 53.45	5 16.84	22 36 46.1	9 23.9	0.237 2809	2496	11 38.3
14	5 7 10.29	5 17.57	22 46 10.0	8 44.8	0.237 5305	2347	11 39.7
15	5 12 27.86	5 18.25	22 54 54.8	8 5.2	0.237 7652	2197	11 41.0
16	5 17 46.11	5 18.89	23 3 0.0	7 25.3	0.237 9849	2048	11 42.4
17	5 23 5.00	5 19.49	23 10 25.3	6 44.9	0.238 1897	1898	11 43.8
18	5 28 24.49	5 20.02	+23 17 10.2	6 4.4	0.238 3795	1746	11 45.2
19	5 33 44.51	5 20.50	23 23 14.6	5 23.4	0.238 5541	1596	11 46.6
20	5 39 5.01	5 20.92	23 28 38.0	4 42.1	0.238 7137	1446	11 48.0
21	5 44 25.93	5 21.30	23 33 20.1	4 0.6	0.238 8583	1296	11 49.4
22	5 49 47.23	5 21.61	23 37 20.7	3 19.0	0.238 9879	1147	11 50.8
23	5 55 8.84	5 21.87	23 40 39.7	2 37.1	0.239 1026	998	11 52.2
24	6 0 30.71	5 22.08	+23 43 16.8	1 55.1	0.239 2024	850	11 53.6
25	6 5 52.79	5 22.22	23 45 11.9	1 12.9	0.239 2874	703	11 55.1
26	6 11 15.01	5 22.31	23 46 24.8	0 30.7	0.239 3577	556	11 56.5
27	6 16 37.32	5 22.34	23 46 55.5	0 11.6	0.239 4133	409	11 57.9
28	6 21 59.66	5 22.30	23 46 43.9	0 53.8	0.239 4542	263	11 59.3
29	6 27 21.96	5 22.21	23 45 50.1	1 36.1	0.239 4805	117	12 0.8
30	6 32 44.17	5 22.07	+23 44 14.0	2 18.5	0.239 4922	28	12 2.2
Juli 1	6 38 6.24	5 21.88	23 41 55.5	3 0.7	0.239 4894	174	12 3.6
2	6 43 28.12	5 21.63	23 38 54.8	3 42.7	0.239 4720	318	12 5.0
3	6 48 49.75	5 21.32	23 35 12.1	4 24.8	0.239 4402	463	12 6.5
4	6 54 11.07	5 20.95	23 30 47.3	5 6.7	0.239 3939	608	12 7.9
5	6 59 32.02	5 20.54	23 25 40.6	5 48.4	0.239 3331	753	12 9.3
6	7 4 52.56	5 20.07	+23 19 52.2	6 29.8	0.239 2578	898	12 10.7
7	7 10 12.63	5 19.56	23 13 22.4	7 11.0	0.239 1680	1044	12 12.1
8	7 15 32.19	5 18.99	23 6 11.4	7 52.0	0.239 0636	1189	12 13.4
9	7 20 51.18	5 18.38	22 58 19.4	8 32.6	0.238 9447	1336	12 14.8
10	7 26 9.56	5 17.72	22 49 46.8	9 13.0	0.238 8111	1484	12 16.2
11	7 31 27.28	5 17.01	22 40 33.8	9 53.1	0.238 6627	1632	12 17.5
12	7 36 44.29	5 16.26	+22 30 40.7	10 32.6	0.238 4995	1781	12 18.9
13	7 42 0.55	5 15.47	22 20 8.1	11 11.9	0.238 3214	1931	12 20.2
14	7 47 16.02	5 14.63	22 8 56.2	11 50.8	0.238 1283	2080	12 21.5
15	7 52 30.65	5 13.76	21 57 5.4	12 29.3	0.237 9203	2230	12 22.8
16	7 57 44.41	5 12.84	21 44 36.1	13 7.1	0.237 6973	2382	12 24.1
17	8 2 57.25	5 11.90	21 31 29.0	13 44.5	0.237 4591	2532	12 25.3
18	8 8 9.15	5 10.91	+21 17 44.5	14 21.5	0.237 2059	2683	12 26.6
19	8 13 20.06	5 9.89	21 3 23.0	14 57.9	0.236 9376	2833	12 27.8
20	8 18 29.95	5 8.85	20 48 25.1	15 33.7	0.236 6543	2983	12 29.0
21	8 23 38.80	5 7.78	20 32 51.4	16 8.9	0.236 3560	3133	12 30.2
22	8 28 46.58	5 6.70	20 16 42.5	16 43.6	0.236 0427	3281	12 31.4
23	8 33 53.28		+19 59 58.9		0.235 7146		12 32.6

Venus 1928

Tag	0ʰ Welt-Zeit: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1928	h m s	m s	° ′ ″	′ ″			h m
Juli 23	8 33 53.28	5 5.59	+19 59 58.9	17 17.7	0.235 7146	3429	12 32.6
24	8 38 58.87	5 4.46	19 42 41.2	17 51.2	0.235 3717	3575	12 33.7
25	8 44 3.33	5 3.32	19 24 50.0	18 24.1	0.235 0142	3721	12 34.8
26	8 49 6.65	5 2.17	19 6 25.9	18 56.2	0.234 6421	3868	12 35.9
27	8 54 8.82	5 1.01	18 47 29.7	19 27.7	0.234 2553	4012	12 37.0
28	8 59 9.83	4 59.85	18 28 2.0	19 58.6	0.233 8541	4156	12 38.1
29	9 4 9.68	4 58.68	+18 8 3.4	20 28.8	0.233 4385	4300	12 39.1
30	9 9 8.36	4 57.51	17 47 34.6	20 58.3	0.233 0085	4443	12 40.1
31	9 14 5.87	4 56.35	17 26 36.3	21 27.2	0.232 5642	4585	12 41.2
Aug. 1	9 19 2.22	4 55.19	17 5 9.1	21 55.5	0.232 1057	4725	12 42.2
2	9 23 57.41	4 54.04	16 43 13.6	22 23.0	0.231 6332	4867	12 43.1
3	9 28 51.45	4 52.89	16 20 50.6	22 49.7	0.231 1465	5008	12 44.1
4	9 33 44.34	4 51.76	+15 58 0.9	23 15.7	0.230 6457	5149	12 45.0
5	9 38 36.10	4 50.64	15 34 45.2	23 41.3	0.230 1308	5291	12 45.9
6	9 43 26.74	4 49.54	15 11 3.9	24 5.9	0.229 6017	5432	12 46.8
7	9 48 16.28	4 48.45	14 46 58.0	24 29.9	0.229 0585	5572	12 47.7
8	9 53 4.73	4 47.38	14 22 28.1	24 53.2	0.228 5013	5714	12 48.5
9	9 57 52.11	4 46.33	13 57 34.9	25 15.8	0.227 9299	5857	12 49.4
10	10 2 38.44	4 45.30	+13 32 19.1	25 37.6	0.227 3442	6000	12 50.2
11	10 7 23.74	4 44.30	13 6 41.5	25 58.7	0.226 7442	6144	12 51.0
12	10 12 8.04	4 43.30	12 40 42.8	26 19.0	0.226 1298	6288	12 51.8
13	10 16 51.34	4 42.34	12 14 23.8	26 38.8	0.225 5010	6432	12 52.6
14	10 21 33.68	4 41.40	11 47 45.0	26 57.7	0.224 8578	6578	12 53.3
15	10 26 15.08	4 40.48	11 20 47.3	27 15.9	0.224 2000	6722	12 54.0
16	10 30 55.56	4 39.59	+10 53 31.4	27 33.3	0.223 5278	6867	12 54.8
17	10 35 35.15	4 38.73	10 25 58.1	27 49.9	0.222 8411	7012	12 55.5
18	10 40 13.88	4 37.89	9 58 8.2	28 5.9	0.222 1399	7156	12 56.2
19	10 44 51.77	4 37.10	9 30 2.3	28 21.1	0.221 4243	7299	12 56.9
20	10 49 28.87	4 36.33	9 1 41.2	28 35.5	0.220 6944	7442	12 57.5
21	10 54 5.20	4 35.79	8 33 5.7	28 49.3	0.219 9502	7584	12 58.2
22	10 58 40.79	4 34.88	+ 8 4 16.4	29 2.3	0.219 1918	7725	12 58.8
23	11 3 15.67	4 34.21	7 35 14.1	29 14.5	0.218 4193	7867	12 59.4
24	11 7 49.88	4 33.58	7 5 59.6	29 26.0	0.217 6326	8007	13 0.1
25	11 12 23.46	4 32.99	6 36 33.6	29 36.7	0.216 8319	8145	13 0.7
26	11 16 56.45	4 32.44	6 6 56.9	29 46.8	0.216 0174	8284	13 1.3
27	11 21 28.89	4 31.92	5 37 10.1	29 56.2	0.215 1890	8421	13 1.9
28	11 26 0.81	4 31.43	+ 5 7 13.9	30 4.8	0.214 3469	8558	13 2.5
29	11 30 32.24	4 31.00	4 37 9.1	30 12.7	0.213 4911	8694	13 3.1
30	11 35 3.24	4 30.60	4 6 56.4	30 19.9	0.212 6217	8830	13 3.6
31	11 39 33.84	4 30.25	3 36 36.5	30 26.3	0.211 7387	8964	13 4.2
Sept. 1	11 44 4.09	4 29.94	3 6 10.2	30 32.1	0.210 8423	9097	13 4.7
2	11 48 34.03		+ 2 35 38.1		0.209 9326		13 5.3

Tag		0h Welt-Zeit: Scheinbare Rektaszension		0h Welt-Zeit: Scheinbare Deklination		0h Welt-Zeit: log Δ		Obere Kulmination in Greenwich
1928		h m s	m s	° ′ ″	′ ″			h m
Sept.	2	11 48 34.03	4 29.67	+ 2 35 38.1	30 37.2	0.209 9326	9231	13 5.3
	3	11 53 3.70	4 29.46	2 5 0.9	30 41.5	0.209 0095	9366	13 5.8
	4	11 57 33.16	4 29.29	1 34 19.4	30 45.2	0.208 0729	9500	13 6.4
	5	12 2 2.45	4 29.15	1 3 34.2	30 48.2	0.207 1229	9634	13 6.9
	6	12 6 31.60	4 29.06	0 32 46.0	30 50.5	0.206 1595	9768	13 7.5
	7	12 11 0.66	4 29.02	+ 0 1 55.5	30 52.0	0.205 1827	9905	13 8.0
	8	12 15 29.68	4 29.02	− 0 28 56.5	30 52.9	0.204 1922	1 0042	13 8.6
	9	12 19 58.70	4 29.05	0 59 49.4	30 52.9	0.203 1880	1 0179	13 9.1
	10	12 24 27.75	4 29.14	1 30 42.3	30 52.4	0.202 1701	1 0317	13 9.7
	11	12 28 56.89	4 29.27	2 1 34.7	30 51.0	0.201 1384	1 0455	13 10.2
	12	12 33 26.16	4 29.44	2 32 25.7	30 48.8	0.200 0929	1 0594	13 10.7
	13	12 37 55.60	4 29.64	3 3 14.5	30 46.1	0.199 0335	1 0734	13 11.3
	14	12 42 25.24	4 29.88	− 3 34 0.6	30 42.6	0.197 9601	1 0875	13 11.8
	15	12 46 55.12	4 30.18	4 4 43.2	30 38.2	0.196 8726	1 1015	13 12.4
	16	12 51 25.30	4 30.51	4 35 21.4	30 33.2	0.195 7711	1 1154	13 13.0
	17	12 55 55.81	4 30.87	5 5 54.6	30 27.4	0.194 6557	1 1294	13 13.5
	18	13 0 26.68	4 31.28	5 36 22.0	30 20.9	0.193 5263	1 1433	13 14.1
	19	13 4 57.96	4 31.73	6 6 42.9	30 13.5	0.192 3830	1 1573	13 14.7
	20	13 9 29.69	4 32.22	− 6 36 56.4	30 5.5	0.191 2257	1 1712	13 15.3
	21	13 14 1.91	4 32.75	7 7 1.9	29 56.7	0.190 0545	1 1851	13 15.9
	22	13 18 34.66	4 33.31	7 36 58.6	29 47.1	0.188 8694	1 1989	13 16.5
	23	13 23 7.97	4 33.91	8 6 45.7	29 36.9	0.187 6705	1 2128	13 17.1
	24	13 27 41.88	4 34.56	8 36 22.6	29 25.8	0.186 4577	1 2265	13 17.7
	25	13 32 16.44	4 35.24	9 5 48.4	29 13.9	0.185 2312	1 2402	13 18.4
	26	13 36 51.68	4 35.96	− 9 35 2.3	29 1.3	0.183 9910	1 2538	13 19.0
	27	13 41 27.64	4 36.71	10 4 3.6	28 48.0	0.182 7372	1 2673	13 19.7
	28	13 46 4.35	4 37.50	10 32 51.6	28 33.9	0.181 4699	1 2809	13 20.4
	29	13 50 41.85	4 38.33	11 1 25.5	28 19.1	0.180 1890	1 2944	13 21.1
	30	13 55 20.18	4 39.20	11 29 44.6	28 3.5	0.178 8946	1 3078	13 21.8
Okt.	1	13 59 59.38	4 40.09	11 57 48.1	27 47.2	0.177 5868	1 3212	13 22.5
	2	14 4 39.47	4 41.03	−12 25 35.3	27 30.0	0.176 2656	1 3346	13 23.2
	3	14 9 20.50	4 42.00	12 53 5.3	27 12.2	0.174 9310	1 3482	13 24.0
	4	14 14 2.50	4 43.00	13 20 17.5	26 53.6	0.173 5828	1 3618	13 24.7
	5	14 18 45.50	4 44.02	13 47 11.1	26 34.3	0.172 2210	1 3755	13 25.5
	6	14 23 29.52	4 45.08	14 13 45.4	26 14.1	0.170 8455	1 3893	13 26.3
	7	14 28 14.60	4 46.16	14 39 59.5	25 53.1	0.169 4562	1 4032	13 27.2
	8	14 33 0.76	4 47.26	−15 5 52.6	25 31.5	0.168 0530	1 4172	13 28.0
	9	14 37 48.02	4 48.40	15 31 24.1	25 9.1	0.166 6358	1 4314	13 28.8
	10	14 42 36.42	4 49.54	15 56 33.2	24 45.7	0.165 2044	1 4458	13 29.7
	11	14 47 25.96	4 50.70	16 21 18.9	24 21.7	0.163 7586	1 4602	13 30.6
	12	14 52 16.66	4 51.88	16 45 40.6	23 56.8	0.162 2984	1 4748	13 31.5
	13	14 57 8.54		−17 9 37.4		0.160 8236		13 32.4

Tag	0ʰ Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1928	h m s	m s	° ′ ″	′ ″			h m
Okt. 13	14 57 8.54	4 53.06	−17 9 37.4	23 31.1	0.160 8236	1 4895	13 32.4
14	15 2 1.60	4 54.26	17 33 8.5	23 4.7	0.159 3341	1 5043	13 33.4
15	15 6 55.86	4 55.46	17 56 13.2	22 37.5	0.157 8298	1 5190	13 34.4
16	15 11 51.32	4 56.68	18 18 50.7	22 9.5	0.156 3108	1 5339	13 35.4
17	15 16 48.00	4 57.89	18 41 0.2	21 40.7	0.154 7769	1 5489	13 36.4
18	15 21 45.89	4 59.10	19 2 40.9	21 11.1	0.153 2280	1 5640	13 37.4
19	15 26 44.99	5 0.30	−19 23 52.0	20 40.9	0.151 6640	1 5790	13 38.5
20	15 31 45.29	5 1.51	19 44 32.9	20 9.7	0.150 0850	1 5940	13 39.6
21	15 36 46.80	5 2.72	20 4 42.6	19 37.9	0.148 4910	1 6093	13 40.7
22	15 41 49.52	5 3.90	20 24 20.5	19 5.4	0.146 8817	1 6245	13 41.8
23	15 46 53.42	5 5.07	20 43 25.9	18 32.1	0.145 2572	1 6396	13 42.9
24	15 51 58.49	5 6.23	21 1 58.0	17 58.1	0.143 6176	1 6549	13 44.0
25	15 57 4.72	5 7.37	−21 19 56.1	17 23.4	0.141 9627	1 6701	13 45.2
26	16 2 12.09	5 8.50	21 37 19.5	16 48.0	0.140 2926	1 6853	13 46.4
27	16 7 20.59	5 9.59	21 54 7.5	16 12.1	0.138 6073	1 7004	13 47.6
28	16 12 30.18	5 10.67	22 10 19.6	15 35.4	0.136 9069	1 7156	13 48.9
29	16 17 40.85	5 11.72	22 25 55.0	14 58.0	0.135 1913	1 7308	13 50.1
30	16 22 52.57	5 12.75	22 40 53.0	14 20.1	0.133 4605	1 7461	13 51.4
31	16 28 5.32	5 13.75	−22 55 13.1	13 41.6	0.131 7144	1 7614	13 52.6
Nov. 1	16 33 19.07	5 14.70	23 8 54.7	13 2.6	0.129 9530	1 7769	13 53.9
2	16 38 33.77	5 15.62	23 21 57.3	12 23.0	0.128 1761	1 7925	13 55.3
3	16 43 49.39	5 16.51	23 34 20.3	11 42.8	0.126 3836	1 8082	13 56.6
4	16 49 5.90	5 17.35	23 46 3.1	11 2.1	0.124 5754	1 8242	13 57.9
5	16 54 23.25	5 18.14	23 57 5.2	10 21.1	0.122 7512	1 8404	13 59.3
6	16 59 41.39	5 18.88	−24 7 26.3	9 39.4	0.120 9108	1 8568	14 0.7
7	17 5 0.27	5 19.58	24 17 5.7	8 57.3	0.119 0540	1 8734	14 2.0
8	17 10 19.85	5 20.21	24 26 3.0	8 14.9	0.117 1806	1 8902	14 3.4
9	17 15 40.06	5 20.79	24 34 17.9	7 32.2	0.115 2904	1 9073	14 4.8
10	17 21 0.85	5 21.32	24 41 50.1	6 48.9	0.113 3831	1 9245	14 6.2
11	17 26 22.17	5 21.77	24 48 39.0	6 5.4	0.111 4586	1 9420	14 7.7
12	17 31 43.94	5 22.15	−24 54 44.4	5 21.6	0.109 5166	1 9597	14 9.1
13	17 37 6.09	5 22.47	25 0 6.0	4 37.4	0.107 5569	1 9776	14 10.5
14	17 42 28.56	5 22.72	25 4 43.4	3 53.2	0.105 5793	1 9956	14 11.9
15	17 47 51.28	5 22.90	25 8 36.6	3 8.7	0.103 5837	2 0139	14 13.4
16	17 53 14.18	5 23.02	25 11 45.3	2 24.0	0.101 5698	2 0323	14 14.8
17	17 58 37.20	5 23.05	25 14 9.3	1 39.3	0.099 5375	2 0509	14 16.3
18	18 4 0.25	5 23.01	−25 15 48.6	0 54.5	0.097 4866	2 0696	14 17.7
19	18 9 23.26	5 22.90	25 16 43.1	0 9.6	0.095 4170	2 0884	14 19.2
20	18 14 46.16	5 22.71	25 16 52.7	0 35.3	0.093 3286	2 1075	14 20.6
21	18 20 8.87	5 22.46	25 16 17.4	1 20.2	0.091 2211	2 1267	14 22.0
22	18 25 31.33	5 22.12	25 14 57.2	2 5.0	0.089 0944	2 1459	14 23.5
23	18 30 53.45		−25 12 52.2		0.086 9485		14 24.9

Tag	0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1928	h m s	m s	° ′ ″	′ ″			h m
Nov. 23	18 30 53.45	5 21.71	−25 12 52.2	2 49.6	0.086 9485	2 1652	14 24.9
24	18 36 15.16	5 21.23	25 10 2.6	3 34.3	0.084 7833	2 1847	14 26.3
25	18 41 36.39	5 20.69	25 6 28.3	4 18.6	0.082 5986	2 2042	14 27.7
26	18 46 57.08	5 20.08	25 2 9.7	5 2.8	0.080 3944	2 2237	14 29.1
27	18 52 17.16	5 19.40	24 57 6.9	5 46.6	0.078 1707	2 2435	14 30.5
28	18 57 36.56	5 18.65	24 51 20.3	6 30.3	0.075 9272	2 2633	14 31.9
29	19 2 55.21	5 17.84	−24 44 50.0	7 13.7	0.073 6639	2 2833	14 33.2
30	19 8 13.05	5 16.98	24 37 36.3	7 56.7	0.071 3806	2 3034	14 34.6
Dez. 1	19 13 30.03	5 16.06	24 29 39.6	8 39.3	0.069 0772	2 3239	14 35.9
2	19 18 46.09	5 15.09	24 21 0.3	9 21.5	0.066 7533	2 3446	14 37.2
3	19 24 1.18	5 14.05	24 11 38.8	10 3.4	0.064 4087	2 3656	14 38.5
4	19 29 15.23	5 12.98	24 1 35.4	10 44.7	0.062 0431	2 3870	14 39.8
5	19 34 28.21	5 11.84	−23 50 50.7	11 25.7	0.059 6561	2 4086	14 41.1
6	19 39 40.05	5 10.65	23 39 25.0	12 6.1	0.057 2475	2 4305	14 42.3
7	19 44 50.70	5 9.42	23 27 18.9	12 46.0	0.054 8170	2 4530	14 43.5
8	19 50 0.12	5 8.14	23 14 32.9	13 25.3	0.052 3640	2 4757	14 44.7
9	19 55 8.26	5 6.81	23 1 7.6	14 4.1	0.049 8883	2 4987	14 45.9
10	20 0 15.07	5 5.45	22 47 3.5	14 42.2	0.047 3896	2 5222	14 47.1
11	20 5 20.52	5 4.03	−22 32 21.3	15 19.7	0.044 8674	2 5460	14 48.2
12	20 10 24.55	5 2.58	22 17 1.6	15 56.7	0.042 3214	2 5701	14 49.3
13	20 15 27.13	5 1.11	22 1 4.9	16 33.0	0.039 7513	2 5947	14 50.4
14	20 20 28.24	4 59.60	21 44 31.9	17 8.4	0.037 1566	2 6195	14 51.5
15	20 25 27.84	4 58.04	21 27 23.5	17 43.4	0.034 5371	2 6447	14 52.5
16	20 30 25.88	4 56.47	21 9 40.1	18 17.6	0.031 8924	2 6703	14 53.5
17	20 35 22.35	4 54.87	−20 51 22.5	18 51.1	0.029 2221	2 6962	14 54.5
18	20 40 17.22	4 53.24	20 32 31.4	19 23.7	0.026 5259	2 7224	14 55.4
19	20 45 10.46	4 51.60	20 13 7.7	19 55.6	0.023 8035	2 7488	14 56.4
20	20 50 2.06	4 49.94	19 53 12.1	20 26.9	0.021 0547	2 7756	14 57.3
21	20 54 52.00	4 48.24	19 32 45.2	20 57.2	0.018 2791	2 8026	14 58.1
22	20 59 40.24	4 46.55	19 11 48.0	21 26.8	0.015 4765	2 8299	14 59.0
23	21 4 26.79	4 44.84	−18 50 21.2	21 55.7	0.012 6466	2 8574	14 59.8
24	21 9 11.63	4 43.13	18 28 25.5	22 23.7	0.009 7892	2 8851	15 0.6
25	21 13 54.76	4 41.40	18 6 1.8	22 50.9	0.006 9041	2 9131	15 1.3
26	21 18 36.16	4 39.69	17 43 10.9	23 17.3	0.003 9910	2 9413	15 2.1
27	21 23 15.85	4 37.97	17 19 53.6	23 42.9	0.001 0497	2 9696	15 2.8
28	21 27 53.82	4 36.25	16 56 10.7	24 7.8	9.998 0801	2 9983	15 3.5
29	21 32 30.07	4 34.55	−16 32 2.9	24 31.9	9.995 0818	3 0275	15 4.1
30	21 37 4.62	4 32.85	16 7 31.0	24 55.2	9.992 0543	3 0570	15 4.7
31	21 41 37.47	4 31.16	15 42 35.8	25 17.7	9.988 9973	3 0868	15 5.3
32	21 46 8.63		−15 17 18.1		9.985 9105		15 5.9

Tag	0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1928	h m s	m s	° ′ ″	′ ″			h m
Jan. 0	16 59 29.04	3 7.10	−22 59 7.4	5 2.0	0.376 8550	8219	10 25.4
1	17 2 36.14	3 7.51	23 4 9.4	4 48.7	0.376 0331	8286	10 24.6
2	17 5 43.65	3 7.90	23 8 58.1	4 35.2	0.375 2045	8352	10 23.8
3	17 8 51.55	3 8.27	23 13 33.3	4 21.7	0.374 3693	8419	10 23.0
4	17 11 59.82	3 8.65	23 17 55.0	4 8.1	0.373 5274	8484	10 22.2
5	17 15 8.47	3 9.02	23 22 3.1	3 54.3	0.372 6790	8547	10 21.4
6	17 18 17.49	3 9.37	−23 25 57.4	3 40.5	0.371 8243	8610	10 20.6
7	17 21 26.86	3 9.72	23 29 37.9	3 26.7	0.370 9633	8672	10 19.8
8	17 24 36.58	3 10.06	23 33 4.6	3 12.7	0.370 0961	8735	10 19.0
9	17 27 46.64	3 10.39	23 36 17.3	2 58.6	0.369 2226	8799	10 18.3
10	17 30 57.03	3 10.71	23 39 15.9	2 44.5	0.368 3427	8862	10 17.5
11	17 34 7.74	3 11.02	23 42 0.4	2 30.3	0.367 4565	8924	10 16.7
12	17 37 18.76	3 11.32	−23 44 30.7	2 16.0	0.366 5641	8986	10 16.0
13	17 40 30.08	3 11.61	23 46 46.7	2 1.6	0.365 6655	9049	10 15.2
14	17 43 41.69	3 11.87	23 48 48.3	1 47.1	0.364 7606	9112	10 14.5
15	17 46 53.56	3 12.14	23 50 35.4	1 32.6	0.363 8494	9173	10 13.7
16	17 50 5.70	3 12.39	23 52 8.0	1 18.0	0.362 9321	9235	10 13.0
17	17 53 18.09	3 12.62	23 53 26.0	1 3.4	0.362 0086	9297	10 12.2
18	17 56 30.71	3 12.84	−23 54 29.4	0 48.8	0.361 0789	9357	10 11.5
19	17 59 43.55	3 13.05	23 55 18.2	0 34.1	0.360 1432	9419	10 10.8
20	18 2 56.60	3 13.24	23 55 52.3	0 19.2	0.359 2013	9479	10 10.1
21	18 6 9.84	3 13.41	23 56 11.5	0 4.4	0.358 2534	9539	10 9.4
22	18 9 23.25	3 13.57	23 56 15.9	0 10.4	0.357 2995	9598	10 8.7
23	18 12 36.82	3 13.72	23 56 5.5	0 25.3	0.356 3397	9655	10 8.0
24	18 15 50.54	3 13.85	−23 55 40.2	0 40.3	0.355 3742	9712	10 7.3
25	18 19 4.39	3 13.96	23 54 59.9	0 55.1	0.354 4030	9770	10 6.5
26	18 22 18.35	3 14.06	23 54 4.8	1 10.1	0.353 4260	9825	10 5.8
27	18 25 32.41	3 14.14	23 52 54.7	1 25.1	0.352 4435	9878	10 5.1
28	18 28 46.55	3 14.22	23 51 29.6	1 40.0	0.351 4557	9931	10 4.4
29	18 32 0.77	3 14.28	23 49 49.6	1 55.1	0.350 4626	9983	10 3.7
30	18 35 15.05	3 14.32	−23 47 54.5	2 10.0	0.349 4643	1 0032	10 3.0
31	18 38 29.37	3 14.35	23 45 44.5	2 24.9	0.348 4611	1 0080	10 2.3
Febr. 1	18 41 43.72	3 14.38	23 43 19.6	2 39.9	0.347 4531	1 0129	10 1.5
2	18 44 58.10	3 14.40	23 40 39.7	2 54.9	0.346 4402	1 0176	10 0.8
3	18 48 12.50	3 14.40	23 37 44.8	3 9.9	0.345 4226	1 0221	10 0.1
4	18 51 26.90	3 14.38	23 34 34.9	3 24.7	0.344 4005	1 0266	9 59.4
5	18 54 41.28	3 14.37	−23 31 10.2	3 39.6	0.343 3739	1 0310	9 58.7
6	18 57 55.65	3 14.33	23 27 30.6	3 54.5	0.342 3429	1 0355	9 58.0
7	19 1 9.98	3 14.29	23 23 36.1	4 9.3	0.341 3074	1 0400	9 57.3
8	19 4 24.27	3 14.24	23 19 26.8	4 24.1	0.340 2674	1 0443	9 56.6
9	19 7 38.51	3 14.17	23 15 2.7	4 38.9	0.339 2231	1 0487	9 55.9
10	19 10 52.68		−23 10 23.8		0.338 1744		9 55.2

Tag	0h Welt-Zeit Scheinbare Rektaszension		0h Welt-Zeit Scheinbare Deklination		0h Welt-Zeit log Δ		Obere Kulmination in Greenwich
1928	h m s	m s	° ′ ″	′ ″			h m
Febr. 10	19 10 52.68	3 14.09	−23 10 23.8	4 53.5	0.338 1744	1 0532	9 55.2
11	19 14 6.77	3 14.00	23 5 30.3	5 8.2	0.337 1212	1 0576	9 54.5
12	19 17 20.77	3 13.90	23 0 22.1	5 22.9	0.336 0636	1 0619	9 53.8
13	19 20 34.67	3 13.79	22 54 59.2	5 37.4	0.335 0017	1 0662	9 53.1
14	19 23 48.46	3 13.65	22 49 21.8	5 51.9	0.333 9355	1 0705	9 52.4
15	19 27 2.11	3 13.52	22 43 29.9	6 6.4	0.332 8650	1 0747	9 51.7
16	19 30 15.63	3 13.36	−22 37 23.5	6 20.7	0.331 7903	1 0791	9 51.0
17	19 33 28.99	3 13.20	22 31 2.8	6 35.0	0.330 7112	1 0833	9 50.2
18	19 36 42.19	3 13.02	22 24 27.8	6 49.1	0.329 6279	1 0874	9 49.5
19	19 39 55.21	3 12.83	22 17 38.7	7 3.3	0.328 5405	1 0916	9 48.8
20	19 43 8.04	3 12.62	22 10 35.4	7 17.3	0.327 4489	1 0958	9 48.0
21	19 46 20.66	3 12.41	22 3 18.1	7 31.3	0.326 3531	1 0997	9 47.3
22	19 49 33.07	3 12.18	−21 55 46.8	7 45.2	0.325 2534	1 1036	9 46.6
23	19 52 45.25	3 11.95	21 48 1.6	7 58.9	0.324 1498	1 1073	9 45.8
24	19 55 57.20	3 11.69	21 40 2.7	8 12.5	0.323 0425	1 1109	9 45.1
25	19 59 8.89	3 11.43	21 31 50.2	8 26.0	0.321 9316	1 1144	9 44.3
26	20 2 20.32	3 11.17	21 23 24.2	8 39.5	0.320 8172	1 1178	9 43.6
27	20 5 31.49	3 10.89	21 14 44.7	8 52.7	0.319 6994	1 1211	9 42.8
28	20 8 42.38	3 10.62	−21 5 52.0	9 5.9	0.318 5783	1 1240	9 42.1
29	20 11 53.00	3 10.33	20 56 46.1	9 19.0	0.317 4543	1 1270	9 41.3
März 1	20 15 3.33	3 10.03	20 47 27.1	9 32.0	0.316 3273	1 1299	9 40.5
2	20 18 13.36	3 9.73	20 37 55.1	9 44.8	0.315 1974	1 1328	9 39.7
3	20 21 23.09	3 9.43	20 28 10.3	9 57.4	0.314 0646	1 1354	9 39.0
4	20 24 32.52	3 9.13	20 18 12.9	10 10.1	0.312 9292	1 1381	9 38.2
5	20 27 41.65	3 8.82	−20 8 2.8	10 22.7	0.311 7911	1 1407	9 37.4
6	20 30 50.47	3 8.50	19 57 40.1	10 34.9	0.310 6504	1 1435	9 36.6
7	20 33 58.97	3 8.18	19 47 5.2	10 47.0	0.309 5069	1 1461	9 35.8
8	20 37 7.15	3 7.86	19 36 18.2	10 59.1	0.308 3608	1 1486	9 35.0
9	20 40 15.01	3 7.54	19 25 19.1	11 11.1	0.307 2122	1 1512	9 34.2
10	20 43 22.55	3 7.20	19 14 8.0	11 22.8	0.306 0610	1 1538	9 33.4
11	20 46 29.75	3 6.87	−19 2 45.2	11 34.5	0.304 9072	1 1563	9 32.6
12	20 49 36.62	3 6.54	18 51 10.7	11 46.0	0.303 7509	1 1590	9 31.7
13	20 52 43.16	3 6.19	18 39 24.7	11 57.4	0.302 5919	1 1615	9 30.9
14	20 55 49.35	3 5.84	18 27 27.3	12 8.5	0.301 4304	1 1642	9 30.0
15	20 58 55.19	3 5.49	18 15 18.8	12 19.6	0.300 2662	1 1668	9 29.2
16	21 2 0.68	3 5.14	18 2 59.2	12 30.5	0.299 0994	1 1695	9 28.3
17	21 5 5.82	3 4.77	−17 50 28.7	12 41.2	0.297 9299	1 1721	9 27.5
18	21 8 10.59	3 4.42	17 37 47.5	12 51.8	0.296 7578	1 1746	9 26.6
19	21 11 15.01	3 4.05	17 24 55.7	13 2.1	0.295 5832	1 1771	9 25.7
20	21 14 19.06	3 3.67	17 11 53.6	13 12.3	0.294 4061	1 1796	9 24.8
21	21 17 22.73	3 3.30	16 58 41.3	13 22.4	0.293 2265	1 1820	9 24.0
22	21 20 26.03		−16 45 18.9		0.292 0445		9 23.1

Tag	0ʰ Welt-Zeit: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1928	h m s	m s	° ′ ″	′ ″			h m
März 22	21 20 26.03	3 2.92	−16 45 18.9	13 32.2	0.292 0445	1 1844	9 23.1
23	21 23 28.95	3 2.54	16 31 46.7	13 41.8	0.290 8601	1 1865	9 22.2
24	21 26 31.49	3 2.16	16 18 4.9	13 51.3	0.289 6736	1 1887	9 21.3
25	21 29 33.65	3 1.77	16 4 13.6	14 0.7	0.288 4849	1 1907	9 20.4
26	21 32 35.42	3 1.40	15 50 12.9	14 9.8	0.287 2942	1 1925	9 19.5
27	21 35 36.82	3 1.01	15 36 3.1	14 18.8	0.286 1017	1 1942	9 18.6
28	21 38 37.83	3 0.63	−15 21 44.3	14 27.5	0.284 9075	1 1959	9 17.6
29	21 41 38.46	3 0.26	15 7 16.8	14 36.1	0.283 7116	1 1975	9 16.7
30	21 44 38.72	2 59.89	14 52 40.7	14 44.6	0.282 5141	1 1989	9 15.7
31	21 47 38.61	2 59.52	14 37 56.1	14 52.8	0.281 3152	1 2004	9 14.8
April 1	21 50 38.13	2 59.15	14 23 3.3	15 0.9	0.280 1148	1 2018	9 13.9
2	21 53 37.28	2 58.79	14 8 2.4	15 8.9	0.278 9130	1 2032	9 12.9
3	21 56 36.07	2 58.43	−13 52 53.5	15 16.6	0.277 7098	1 2045	9 11.9
4	21 59 34.50	2 58.08	13 37 36.9	15 24.2	0.276 5053	1 2059	9 11.0
5	22 2 32.58	2 57.73	13 22 12.7	15 31.6	0.275 2994	1 2074	9 10.0
6	22 5 30.31	2 57.39	13 6 41.1	15 38.8	0.274 0920	1 2088	9 9.0
7	22 8 27.70	2 57.04	12 51 2.3	15 45.9	0.272 8832	1 2102	9 8.0
8	22 11 24.74	2 56.71	12 35 16.4	15 52.8	0.271 6730	1 2117	9 7.0
9	22 14 21.45	2 56.38	−12 19 23.6	15 59.5	0.270 4613	1 2133	9 6.0
10	22 17 17.83	2 56.04	12 3 24.1	16 6.0	0.269 2480	1 2149	9 5.0
11	22 20 13.87	2 55.71	11 47 18.1	16 12.3	0.268 0331	1 2165	9 4.0
12	22 23 9.58	2 55.38	11 31 5.8	16 18.5	0.266 8166	1 2182	9 3.0
13	22 26 4.96	2 55.06	11 14 47.3	16 24.4	0.265 5984	1 2200	9 2.0
14	22 29 0.02	2 54.74	10 58 22.9	16 30.2	0.264 3784	1 2217	9 1.0
15	22 31 54.76	2 54.42	−10 41 52.7	16 35.7	0.263 1567	1 2235	8 59.9
16	22 34 49.18	2 54.11	10 25 17.0	16 41.1	0.261 9332	1 2253	8 58.9
17	22 37 43.29	2 53.80	10 8 35.9	16 46.3	0.260 7079	1 2272	8 57.8
18	22 40 37.09	2 53.49	9 51 49.6	16 51.2	0.259 4807	1 2291	8 56.8
19	22 43 30.58	2 53.17	9 34 58.4	16 56.0	0.258 2516	1 2309	8 55.7
20	22 46 23.75	2 52.86	9 18 2.4	17 0.5	0.257 0207	1 2326	8 54.7
21	22 49 16.61	2 52.56	− 9 1 1.9	17 4.9	0.255 7881	1 2343	8 53.6
22	22 52 9.17	2 52.26	8 43 57.0	17 9.0	0.254 5538	1 2359	8 52.5
23	22 55 1.43	2 51.97	8 26 48.0	17 13.0	0.253 3179	1 2375	8 51.5
24	22 57 53.40	2 51.68	8 9 35.0	17 16.8	0.252 0804	1 2388	8 50.4
25	23 0 45.08	2 51.39	7 52 18.2	17 20.3	0.250 8416	1 2402	8 49.3
26	23 3 36.47	2 51.12	7 34 57.9	17 23.7	0.249 6014	1 2415	8 48.2
27	23 6 27.59	2 50.85	− 7 17 34.2	17 26.9	0.248 3599	1 2428	8 47.1
28	23 9 18.44	2 50.58	7 0 7.3	17 29.9	0.247 1171	1 2440	8 46.0
29	23 12 9.02	2 50.33	6 42 37.4	17 32.8	0.245 8731	1 2452	8 44.9
30	23 14 59.35	2 50.09	6 25 4.6	17 35.6	0.244 6279	1 2465	8 43.8
Mai 1	23 17 49.44	2 49.85	6 7 29.0	17 38.1	0.243 3814	1 2478	8 42.7
2	23 20 39.29		− 5 49 50.9		0.242 1336		8 41.6

Tag		0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1928		h m s	m s	° ′ ″	′ ″			h m
Mai	2	23 20 39.29	2 49.61	−5 49 50.9	17 40.4	0.242 1336	1 2492	8 41.6
	3	23 23 28.90	2 49.39	5 32 10.5	17 42.5	0.240 8844	1 2507	8 40.5
	4	23 26 18.29	2 49.17	5 14 28.0	17 44.6	0.239 6337	1 2521	8 39.4
	5	23 29 7.46	2 48.96	4 56 43.4	17 46.4	0.238 3816	1 2537	8 38.2
	6	23 31 56.42	2 48.76	4 38 57.0	17 48.0	0.237 1279	1 2554	8 37.1
	7	23 34 45.18	2 48.56	4 21 9.0	17 49.4	0.235 8725	1 2571	8 36.0
	8	23 37 33.74	2 48.37	−4 3 19.6	17 50.8	0.234 6154	1 2589	8 34.9
	9	23 40 22.11	2 48.19	3 45 28.8	17 52.0	0.233 3565	1 2609	8 33.7
	10	23 43 10.30	2 48.00	3 27 36.8	17 52.9	0.232 0956	1 2629	8 32.6
	11	23 45 58.30	2 47.82	3 9 43.9	17 53.6	0.230 8327	1 2651	8 31.4
	12	23 48 46.12	2 47.65	2 51 50.3	17 54.1	0.229 5676	1 2674	8 30.3
	13	23 51 33.77	2 47.49	2 33 56.2	17 54.5	0.228 3002	1 2698	8 29.1
	14	23 54 21.26	2 47.33	−2 16 1.7	17 54.8	0.227 0304	1 2724	8 28.0
	15	23 57 8.59	2 47.17	1 58 6.9	17 54.7	0.225 7580	1 2749	8 26.8
	16	23 59 55.76	2 47.01	1 40 12.2	17 54.4	0.224 4831	1 2775	8 25.7
	17	0 2 42.77	2 46.86	1 22 17.8	17 53.9	0.223 2056	1 2803	8 24.5
	18	0 5 29.63	2 46.70	1 4 23.9	17 53.3	0.221 9253	1 2831	8 23.4
	19	0 8 16.33	2 46.56	0 46 30.6	17 52.6	0.220 6422	1 2858	8 22.2
	20	0 11 2.89	2 46.41	−0 28 38.0	17 51.6	0.219 3564	1 2885	8 21.0
	21	0 13 49.30	2 46.26	−0 10 46.4	17 50.3	0.218 0679	1 2911	8 19.8
	22	0 16 35.56	2 46.13	+0 7 3.9	17 48.9	0.216 7768	1 2938	8 18.7
	23	0 19 21.69	2 45.99	0 24 52.8	17 47.4	0.215 4830	1 2964	8 17.5
	24	0 22 7.68	2 45.87	0 42 40.2	17 45.7	0.214 1866	1 2990	8 16.3
	25	0 24 53.55	2 45.76	1 0 25.9	17 43.8	0.212 8876	1 3015	8 15.1
	26	0 27 39.31	2 45.65	+1 18 9.7	17 41.7	0.211 5861	1 3042	8 14.0
	27	0 30 24.96	2 45.54	1 35 51.4	17 39.5	0.210 2819	1 3068	8 12.8
	28	0 33 10.50	2 45.44	1 53 30.9	17 37.2	0.208 9751	1 3096	8 11.6
	29	0 35 55.94	2 45.34	2 11 8.1	17 34.6	0.207 6655	1 3125	8 10.4
	30	0 38 41.28	2 45.27	2 28 42.7	17 31.9	0.206 3530	1 3154	8 9.3
	31	0 41 26.55	2 45.19	2 46 14.6	17 29.1	0.205 0376	1 3184	8 8.1
Juni	1	0 44 11.74	2 45.12	+3 3 43.7	17 26.2	0.203 7192	1 3216	8 6.9
	2	0 46 56.86	2 45.05	3 21 9.9	17 23.1	0.202 3976	1 3249	8 5.7
	3	0 49 41.91	2 44.99	3 38 33.0	17 19.7	0.201 0727	1 3283	8 4.5
	4	0 52 26.90	2 44.93	3 55 52.7	17 16.3	0.199 7444	1 3319	8 3.3
	5	0 55 11.83	2 44.87	4 13 9.0	17 12.7	0.198 4125	1 3356	8 2.1
	6	0 57 56.70	2 44.83	4 30 21.7	17 8.9	0.197 0769	1 3394	8 0.9
	7	1 0 41.53	2 44.79	+4 47 30.6	17 5.1	0.195 7375	1 3436	7 59.7
	8	1 3 26.32	2 44.74	5 4 35.7	17 1.0	0.194 3939	1 3479	7 58.5
	9	1 6 11.06	2 44.71	5 21 36.7	16 56.7	0.193 0460	1 3523	7 57.3
	10	1 8 55.77	2 44.66	5 38 33.4	16 52.3	0.191 6937	1 3571	7 56.1
	11	1 11 40.43	2 44.63	5 55 25.7	16 47.8	0.190 3366	1 3619	7 54.9
	12	1 14 25.06		+6 12 13.5		0.188 9747		7 53.7

Tag	0h Welt-Zeit: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1928	h m s	m s	° ′ ″	′ ″			h m
Juni 12	1 14 25.06	2 44.59	+ 6 12 13.5	16 43.1	0.188 9747	1 3669	7 53.7
13	1 17 9.65	2 44.55	6 28 56.6	16 38.1	0.187 6078	1 3720	7 52.5
14	1 19 54.20	2 44.52	6 45 34.7	16 33.1	0.186 2358	1 3774	7 51.3
15	1 22 38.72	2 44.47	7 2 7.8	16 27.8	0.184 8584	1 3828	7 50.1
16	1 25 23.19	2 44.43	7 18 35.6	16 22.3	0.183 4756	1 3882	7 48.9
17	1 28 7.62	2 44.40	7 34 57.9	16 16.8	0.182 0874	1 3937	7 47.7
18	1 30 52.02	2 44.35	+ 7 51 14.7	16 11.0	0.180 6937	1 3992	7 46.5
19	1 33 36.37	2 44.31	8 7 25.7	16 5.2	0.179 2945	1 4049	7 45.3
20	1 36 20.68	2 44.27	8 23 30.9	15 59.1	0.177 8896	1 4106	7 44.1
21	1 39 4.95	2 44.23	8 39 30.0	15 52.9	0.176 4790	1 4162	7 42.9
22	1 41 49.18	2 44.19	8 55 22.9	15 46.6	0.175 0628	1 4219	7 41.7
23	1 44 33.37	2 44.15	9 11 9.5	15 40.1	0.173 6409	1 4276	7 40.5
24	1 47 17.52	2 44.13	+ 9 26 49.6	15 33.5	0.172 2133	1 4334	7 39.3
25	1 50 1.65	2 44.09	9 42 23.1	15 26.9	0.170 7799	1 4393	7 38.1
26	1 52 45.74	2 44.05	9 57 50.0	15 20.1	0.169 3406	1 4454	7 36.9
27	1 55 29.79	2 44.03	10 13 10.1	15 13.1	0.167 8952	1 4516	7 35.7
28	1 58 13.82	2 44.00	10 28 23.2	15 6.1	0.166 4436	1 4579	7 34.5
29	2 0 57.82	2 43.98	10 43 29.3	14 58.9	0.164 9857	1 4644	7 33.3
30	2 3 41.80	2 43.95	+10 58 28.2	14 51.7	0.163 5213	1 4711	7 32.1
Juli 1	2 6 25.75	2 43.93	11 13 19.9	14 44.3	0.162 0502	1 4781	7 30.9
2	2 9 9.68	2 43.89	11 28 4.2	14 36.9	0.160 5721	1 4853	7 29.6
3	2 11 53.57	2 43.87	11 42 41.1	14 29.3	0.159 0868	1 4925	7 28.4
4	2 14 37.44	2 43.85	11 57 10.4	14 21.6	0.157 5943	1 5001	7 27.2
5	2 17 21.29	2 43.81	12 11 32.0	14 13.8	0.156 0942	1 5079	7 26.0
6	2 20 5.10	2 43.79	+12 25 45.8	14 5.9	0.154 5863	1 5159	7 24.8
7	2 22 48.89	2 43.75	12 39 51.7	13 57.9	0.153 0704	1 5242	7 23.6
8	2 25 32.64	2 43.71	12 53 49.6	13 49.7	0.151 5462	1 5328	7 22.4
9	2 28 16.35	2 43.65	13 7 39.3	13 41.5	0.150 0134	1 5418	7 21.2
10	2 31 0.00	2 43.61	13 21 20.8	13 33.1	0.148 4716	1 5508	7 19.9
11	2 33 43.61	2 43.55	13 34 53.9	13 24.7	0.146 9208	1 5601	7 18.7
12	2 36 27.16	2 43.47	+13 48 18.6	13 16.0	0.145 3607	1 5697	7 17.5
13	2 39 10.63	2 43.40	14 1 34.6	13 7.3	0.143 7910	1 5793	7 16.3
14	2 41 54.03	2 43.32	14 14 41.9	12 58.5	0.142 2117	1 5892	7 15.1
15	2 44 37.35	2 43.22	14 27 40.4	12 49.6	0.140 6225	1 5992	7 13.8
16	2 47 20.57	2 43.12	14 40 30.0	12 40.5	0.139 0233	1 6093	7 12.6
17	2 50 3.69	2 43.01	14 53 10.5	12 31.4	0.137 4140	1 6195	7 11.4
18	2 52 46.70	2 42.89	+15 5 41.9	12 22.1	0.135 7945	1 6297	7 10.2
19	2 55 29.59	2 42.75	15 18 4.0	12 12.8	0.134 1648	1 6399	7 8.9
20	2 58 12.34	2 42.63	15 30 16.8	12 3.4	0.132 5249	1 6503	7 7.7
21	3 0 54.97	2 42.48	15 42 20.2	11 54.0	0.130 8746	1 6607	7 6.5
22	3 3 37.45	2 42.34	15 54 14.2	11 44.6	0.129 2139	1 6713	7 5.3
23	3 6 19.79		+16 5 58.8		0.127 5426		7 4.0

Tag	0h Welt-Zeit: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1928	h m s	m s	° ′ ″	′ ″			h m
Juli 23	3 6 19.79	2 42.20	+16 5 58.8	11 35.0	0.127 5426	1 6820	7 4.0
24	3 9 1.99	2 42.04	16 17 33.8	11 25.4	0.125 8606	1 6928	7 2.8
25	3 11 44.03	2 41.86	16 28 59.2	11 15.8	0.124 1678	1 7039	7 1.5
26	3 14 25.89	2 41.70	16 40 15.0	11 6.1	0.122 4639	1 7151	7 0.3
27	3 17 7.59	2 41.52	16 51 21.1	10 56.5	0.120 7488	1 7266	6 59.0
28	3 19 49.11	2 41.33	17 2 17.6	10 46.8	0.119 0222	1 7382	6 57.8
29	3 22 30.44	2 41.14	+17 13 4.4	10 36.9	0.117 2840	1 7502	6 56.6
30	3 25 11.58	2 40.94	17 23 41.3	10 27.1	0.115 5338	1 7622	6 55.3
31	3 27 52.52	2 40.74	17 34 8.4	10 17.3	0.113 7716	1 7746	6 54.0
Aug. 1	3 30 33.26	2 40.52	17 44 25.7	10 7.5	0.111 9970	1 7873	6 52.8
2	3 33 13.78	2 40.28	17 54 33.2	9 57.6	0.110 2097	1 8002	6 51.5
3	3 35 54.06	2 40.04	18 4 30.8	9 47.7	0.108 4095	1 8135	6 50.2
4	3 38 34.10	2 39.79	+18 14 18.5	9 37.7	0.106 5960	1 8271	6 48.9
5	3 41 13.89	2 39.52	18 23 56.2	9 27.8	0.104 7689	1 8410	6 47.7
6	3 43 53.41	2 39.25	18 33 24.0	9 17.8	0.102 9279	1 8552	6 46.4
7	3 46 32.66	2 38.94	18 42 41.8	9 7.8	0.101 0727	1 8698	6 45.1
8	3 49 11.60	2 38.63	18 51 49.6	8 57.8	0.099 2029	1 8847	6 43.8
9	3 51 50.23	2 38.31	19 0 47.4	8 47.8	0.097 3182	1 8998	6 42.5
10	3 54 28.54	2 37.96	+19 9 35.2	8 37.7	0.095 4184	1 9151	6 41.2
11	3 57 6.50	2 37.59	19 18 12.9	8 27.7	0.093 5033	1 9306	6 39.9
12	3 59 44.09	2 37.20	19 26 40.6	8 17.5	0.091 5727	1 9463	6 38.6
13	4 2 21.29	2 36.79	19 34 58.1	8 7.5	0.089 6264	1 9622	6 37.2
14	4 4 58.08	2 36.37	19 43 5.6	7 57.4	0.087 6642	1 9782	6 35.9
15	4 7 34.45	2 35.93	19 51 3.0	7 47.3	0.085 6860	1 9942	6 34.6
16	4 10 10.38	2 35.46	+19 58 50.3	7 37.3	0.083 6918	2 0103	6 33.3
17	4 12 45.84	2 34.99	20 6 27.6	7 27.3	0.081 6815	2 0266	6 31.9
18	4 15 20.83	2 34.49	20 13 54.9	7 17.3	0.079 6549	2 0429	6 30.6
19	4 17 55.32	2 33.98	20 21 12.2	7 7.5	0.077 6120	2 0594	6 29.2
20	4 20 29.30	2 33.46	20 28 19.7	6 57.6	0.075 5526	2 0760	6 27.8
21	4 23 2.76	2 32.92	20 35 17.3	6 47.9	0.073 4766	2 0927	6 26.4
22	4 25 35.68	2 32.37	+20 42 5.2	6 38.1	0.071 3839	2 1096	6 25.0
23	4 28 8.05	2 31.79	20 48 43.3	6 28.5	0.069 2743	2 1268	6 23.6
24	4 30 39.84	2 31.20	20 55 11.8	6 19.0	0.067 1475	2 1441	6 22.2
25	4 33 11.04	2 30.60	21 1 30.8	6 9.4	0.065 0034	2 1616	6 20.8
26	4 35 41.64	2 29.98	21 7 40.2	6 0.0	0.062 8418	2 1795	6 19.3
27	4 38 11.62	2 29.33	21 13 40.2	5 50.6	0.060 6623	2 1974	6 17.9
28	4 40 40.95	2 28.67	+21 19 30.8	5 41.4	0.058 4649	2 2155	6 16.4
29	4 43 9.62	2 28.01	21 25 12.2	5 32.3	0.056 2494	2 2340	6 15.0
30	4 45 37.63	2 27.31	21 30 44.5	5 23.3	0.054 0154	2 2528	6 13.5
31	4 48 4.94	2 26.59	21 36 7.8	5 14.3	0.051 7626	2 2720	6 12.0
Sept. 1	4 50 31.53	2 25.85	21 41 22.1	5 5.4	0.049 4906	2 2915	6 10.5
2	4 52 57.38		+21 46 27.5		0.047 1991		6 9.0

Tag	0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1928	h m s	m s	° ′ ″	′ ″			h m
Sept. 2	4 52 57.38	2 25.10	+21 46 27.5	4 56.7	0.047 1991	2 3115	6 9.0
3	4 55 22.48	2 24.33	21 51 24.2	4 48.0	0.044 8876	2 3317	6 7.5
4	4 57 46.81	2 23.52	21 56 12.2	4 39.5	0.042 5559	2 3522	6 5.9
5	5 0 10.33	2 22.67	22 0 51.7	4 31.0	0.040 2037	2 3730	6 4.4
6	5 2 33.00	2 21.80	22 5 22.7	4 22.7	0.037 8307	2 3940	6 2.8
7	5 4 54.80	2 20.91	22 9 45.4	4 14.4	0.035 4367	2 4152	6 1.2
8	5 7 15.71	2 19.99	+22 13 59.8	4 6.3	0.033 0215	2 4367	5 59.6
9	5 9 35.70	2 19.04	22 18 6.1	3 58.4	0.030 5848	2 4583	5 58.0
10	5 11 54.74	2 18.05	22 22 4.5	3 50.5	0.028 1265	2 4800	5 56.4
11	5 14 12.79	2 17.04	22 25 55.0	3 42.8	0.025 6465	2 5018	5 54.7
12	5 16 29.83	2 15.99	22 29 37.8	3 35.2	0.023 1447	2 5235	5 53.1
13	5 18 45.82	2 14.91	22 33 13.0	3 27.8	0.020 6212	2 5453	5 51.4
14	5 21 0.73	2 13.81	+22 36 40.8	3 20.6	0.018 0759	2 5671	5 49.7
15	5 23 14.54	2 12.69	22 40 1.4	3 13.6	0.015 5088	2 5889	5 48.0
16	5 25 27.23	2 11.53	22 43 15.0	3 6.7	0.012 9199	2 6108	5 46.3
17	5 27 38.76	2 10.34	22 46 21.7	3 0.0	0.010 3091	2 6325	5 44.5
18	5 29 49.10	2 9.13	22 49 21.7	2 53.5	0.007 6766	2 6544	5 42.7
19	5 31 58.23	2 7.89	22 52 15.2	2 47.2	0.005 0222	2 6762	5 40.9
20	5 34 6.12	2 6.62	+22 55 2.4	2 41.1	0.002 3460	2 6981	5 39.1
21	5 36 12.74	2 5.34	22 57 43.5	2 35.2	9.999 6479	2 7201	5 37.3
22	5 38 18.08	2 4.01	23 0 18.7	2 29.4	9.996 9278	2 7420	5 35.4
23	5 40 22.09	2 2.66	23 2 48.1	2 24.0	9.994 1858	2 7641	5 33.5
24	5 42 24.75	2 1.29	23 5 12.1	2 18.8	9.991 4217	2 7862	5 31.6
25	5 44 26.04	1 59.89	23 7 30.9	2 13.7	9.988 6355	2 8084	5 29.7
26	5 46 25.93	1 58.44	+23 9 44.6	2 8.8	9.985 8271	2 8306	5 27.8
27	5 48 24.37	1 56.97	23 11 53.4	2 4.2	9.982 9965	2 8530	5 25.8
28	5 50 21.34	1 55.48	23 13 57.6	1 59.8	9.980 1435	2 8755	5 23.8
29	5 52 16.82	1 53.94	23 15 57.4	1 55.7	9.977 2680	2 8980	5 21.8
30	5 54 10.76	1 52.37	23 17 53.1	1 51.7	9.974 3700	2 9207	5 19.7
Okt. 1	5 56 3.13	1 50.77	23 19 44.8	1 48.0	9.971 4493	2 9437	5 17.7
2	5 57 53.90	1 49.12	+23 21 32.8	1 44.5	9.968 5056	2 9665	5 15.6
3	5 59 43.02	1 47.42	23 23 17.3	1 41.2	9.965 5391	2 9892	5 13.4
4	6 1 30.44	1 45.68	23 24 58.5	1 38.2	9.962 5499	3 0121	5 11.3
5	6 3 16.12	1 43.90	23 26 36.7	1 35.4	9.959 5378	3 0348	5 9.1
6	6 5 0.02	1 42.07	23 28 12.1	1 32.8	9.956 5030	3 0573	5 6.9
7	6 6 42.09	1 40.20	23 29 44.9	1 30.6	9.953 4457	3 0794	5 4.7
8	6 8 22.29	1 38.27	+23 31 15.5	1 28.7	9.950 3663	3 1014	5 2.4
9	6 10 0.56	1 36.29	23 32 44.2	1 26.8	9.947 2649	3 1229	5 0.1
10	6 11 36.85	1 34.27	23 34 11.0	1 25.3	9.944 1420	3 1437	4 57.7
11	6 13 11.12	1 32.21	23 35 36.3	1 24.1	9.940 9983	3 1641	4 55.3
12	6 14 43.33	1 30.09	23 37 0.4	1 23.1	9.937 8342	3 1839	4 52.9
13	6 16 13.42		+23 38 23.5		9.934 6503		4 50.5

Tag	0h Welt-Zeit: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1928	h m s	m s	° ′ ″	′ ″			h m
Okt. 13	6 16 13.42	1 27.93	+23 38 23.5	1 22.4	9.934 6503	3 2032	4 50.5
14	6 17 41.35	1 25.72	23 39 45.9	1 22.0	9.931 4471	3 2217	4 48.0
15	6 19 7.07	1 23.47	23 41 7.9	1 21.8	9.928 2254	3 2395	4 45.5
16	6 20 30.54	1 21.17	23 42 29.7	1 22.0	9.924 9859	3 2566	4 43.0
17	6 21 51.71	1 18.83	23 43 51.7	1 22.4	9.921 7293	3 2729	4 40.4
18	6 23 10.54	1 16.44	23 45 14.1	1 23.1	9.918 4564	3 2884	4 37.7
19	6 24 26.98	1 14.01	+23 46 37.2	1 24.0	9.915 1680	3 3030	4 35.1
20	6 25 40.99	1 11.52	23 48 1.2	1 25.3	9.911 8650	3 3169	4 32.4
21	6 26 52.51	1 9.00	23 49 26.5	1 26.9	9.908 5481	3 3297	4 29.6
22	6 28 1.51	1 6.43	23 50 53.4	1 28.6	9.905 2184	3 3416	4 26.8
23	6 29 7.94	1 3.80	23 52 22.0	1 30.6	9.901 8768	3 3526	4 24.0
24	6 30 11.74	1 1.12	23 53 52.6	1 32.8	9.898 5242	3 3625	4 21.1
25	6 31 12.86	0 58.41	+23 55 25.4	1 35.4	9.895 1617	3 3713	4 18.1
26	6 32 11.27	0 55.64	23 57 0.8	1 38.1	9.891 7904	3 3791	4 15.2
27	6 33 6.91	0 52.81	23 58 38.9	1 41.0	9.888 4113	3 3857	4 12.2
28	6 33 59.72	0 49.94	24 0 19.9	1 44.2	9.885 0256	3 3912	4 9.1
29	6 34 49.66	0 47.00	24 2 4.1	1 47.7	9.881 6344	3 3953	4 6.0
30	6 35 36.66	0 44.00	24 3 51.8	1 51.3	9.878 2391	3 3980	4 2.8
31	6 36 20.66	0 40.95	+24 5 43.1	1 55.0	9.874 8411	3 3991	3 59.6
Nov. 1	6 37 1.61	0 37.83	24 7 38.1	1 59.0	9.871 4420	3 3987	3 56.4
2	6 37 39.44	0 34.65	24 9 37.1	2 3.2	9.868 0433	3 3964	3 53.1
3	6 38 14.09	0 31.40	24 11 40.3	2 7.6	9.864 6469	3 3919	3 49.7
4	6 38 45.49	0 28.09	24 13 47.9	2 12.1	9.861 2550	3 3852	3 46.3
5	6 39 13.58	0 24.71	24 16 0.0	2 16.8	9.857 8698	3 3762	3 42.8
6	6 39 38.29	0 21.28	+24 18 16.8	2 21.5	9.854 4936	3 3647	3 39.3
7	6 39 59.57	0 17.80	24 20 38.3	2 26.4	9.851 1289	3 3504	3 35.7
8	6 40 17.37	0 14.27	24 23 4.7	2 31.3	9.847 7785	3 3332	3 32.0
9	6 40 31.64	0 10.68	24 25 36.0	2 36.3	9.844 4453	3 3130	3 28.3
10	6 40 42.32	0 7.05	24 28 12.3	2 41.3	9.841 1323	3 2898	3 24.5
11	6 40 49.37	0 3.39	24 30 53.6	2 46.3	9.837 8425	3 2633	3 20.7
12	6 40 52.76	0 0.32	+24 33 39.9	2 51.5	9.834 5792	3 2336	3 16.8
13	6 40 52.44	0 4.06	24 36 31.4	2 56.5	9.831 3456	3 2005	3 12.9
14	6 40 48.38	0 7.84	24 39 27.9	3 1.3	9.828 1451	3 1638	3 8.9
15	6 40 40.54	0 11.63	24 42 29.2	3 6.1	9.824 9813	3 1235	3 4.8
16	6 40 28.91	0 15.45	24 45 35.3	3 10.9	9.821 8578	3 0794	3 0.7
17	6 40 13.46	0 19.28	24 48 46.2	3 15.5	9.818 7784	3 0314	2 56.5
18	6 39 54.18	0 23.12	+24 52 1.7	3 19.7	9.815 7470	2 9796	2 52.2
19	6 39 31.06	0 26.96	24 55 21.4	3 23.9	9.812 7674	2 9238	2 47.9
20	6 39 4.10	0 30.79	24 58 45.3	3 27.8	9.809 8436	2 8641	2 43.5
21	6 38 33.31	0 34.62	25 2 13.1	3 31.4	9.806 9795	2 8003	2 39.1
22	6 37 58.69	0 38.44	25 5 44.5	3 34.6	9.804 1792	2 7325	2 34.6
23	6 37 20.25		+25 9 19.1		9.801 4467		2 30.0

Tag	0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1928	h m s	m s	° ′ ″	′ ″			h m
Nov. 23	6 37 20.25	0 42.23	+25 9 19.1	3 37.5	9.801 4467	2 6604	2 30.0
24	6 36 38.02	0 46.00	25 12 56.6	3 40.2	9.798 7863	2 5842	2 25.3
25	6 35 52.02	0 49.74	25 16 36.8	3 42.3	9.796 2021	2 5039	2 20.6
26	6 35 2.28	0 53.44	25 20 19.1	3 44.0	9.793 6982	2 4194	2 15.9
27	6 34 8.84	0 57.11	25 24 3.1	3 45.1	9.791 2788	2 3304	2 11.1
28	6 33 11.73	1 0.73	25 27 48.2	3 45.8	9.788 9484	2 2370	2 6.2
29	6 32 11.00	1 4.28	+25 31 34.0	3 46.1	9.786 7114	2 1394	2 1.2
30	6 31 6.72	1 7.77	25 35 20.1	3 45.7	9.784 5720	2 0372	1 56.2
Dez. 1	6 29 58.95	1 11.18	25 39 5.8	3 44.7	9.782 5348	1 9304	1 51.2
2	6 28 47.77	1 14.50	25 42 50.5	3 43.2	9.780 6044	1 8189	1 46.1
3	6 27 33.27	1 17.73	25 46 33.7	3 41.1	9.778 7855	1 7029	1 40.9
4	6 26 15.54	1 20.84	25 50 14.8	3 38.4	9.777 0826	1 5823	1 35.7
5	6 24 54.70	1 23.81	+25 53 53.2	3 35.1	9.775 5003	1 4573	1 30.4
6	6 23 30.89	1 26.64	25 57 28.3	3 31.1	9.774 0430	1 3282	1 25.1
7	6 22 4.25	1 29.33	26 0 59.4	3 26.6	9.772 7148	1 1949	1 19.7
8	6 20 34.92	1 31.86	26 4 26.0	3 21.5	9.771 5199	1 0579	1 14.3
9	6 19 3.06	1 34.19	26 7 47.5	3 15.9	9.770 4620	9173	1 8.8
10	6 17 28.87	1 36.34	26 11 3.4	3 9.6	9.769 5447	7735	1 3.3
11	6 15 52.53	1 38.29	+26 14 13.0	3 2.8	9.768 7712	6266	0 57.8
12	6 14 14.24	1 40.03	26 17 15.8	2 55.5	9.768 1446	4771	0 52.3
13	6 12 34.21	1 41.57	26 20 11.3	2 47.8	9.767 6675	3253	0 46.7
14	6 10 52.64	1 42.87	26 22 59.1	2 39.7	9.767 3422	1717	0 41.1
15	6 9 9.77	1 43.96	26 25 38.8	2 31.1	9.767 1705	165	0 35.4
16	6 7 25.81	1 44.82	26 28 9.9	2 22.2	9.767 1540	1398	0 29.8
17	6 5 40.99	1 45.43	+26 30 32.1	2 13.1	9.767 2938	2967	0 24.1
18	6 3 55.56	1 45.80	26 32 45.2	2 3.8	9.767 5905	4540	0 18.4
19	6 2 9.76	1 45.95	26 34 49.0	1 54.2	9.768 0445	6113	0 12.7
20	6 0 23.81	1 45.86	26 36 43.2	1 44.6	9.768 6558	7680	0 7.1
21	5 58 37.95	1 45.54	26 38 27.8	1 34.8	9.769 4238	9236	{0 1.4 / 23 55.7}
22	5 56 52.41	1 45.00	26 40 2.6	1 25.0	9.770 3474	1 0780	23 50.0
23	5 55 7.41	1 44.22	+26 41 27.6	1 15.3	9.771 4254	1 2309	23 44.4
24	5 53 23.19	1 43.24	26 42 42.9	1 5.7	9.772 6563	1 3818	23 38.7
25	5 51 39.95	1 42.06	26 43 48.6	0 56.2	9.774 0381	1 5306	23 33.1
26	5 49 57.89	1 40.68	26 44 44.8	0 47.0	9.775 5687	1 6769	23 27.5
27	5 48 17.21	1 39.10	26 45 31.8	0 37.8	9.777 2456	1 8205	23 21.9
28	5 46 38.11	1 37.35	26 46 9.6	0 28.9	9.779 0661	1 9613	23 16.4
29	5 45 0.76	1 35.41	+26 46 38.5	0 20.3	9.781 0274	2 0992	23 10.9
30	5 43 25.35	1 33.30	26 46 58.8	0 12.2	9.783 1266	2 2340	23 5.4
31	5 41 52.05	1 31.02	26 47 11.0	0 4.4	9.785 3606	2 3656	23 0.0
32	5 40 21.03		+26 47 15.4		9.787 7262		22 54.6

Tag	0h Welt-Zeit: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1928	h m s	s	° ′ ″	′ ″			h m
Jan. 0	23 48 49.22	28.33	−2 36 22.2	3 19.1	0.704 2804	1 3278	17 12.6
1	23 49 17.55	28.89	2 33 3.1	3 22.6	0.705 6082	1 3192	17 9.2
2	23 49 46.44	29.44	2 29 40.5	3 26.1	0.706 9274	1 3102	17 5.7
3	23 50 15.88	29.99	2 26 14.4	3 29.5	0.708 2376	1 3011	17 2.3
4	23 50 45.87	30.53	2 22 44.9	3 32.8	0.709 5387	1 2918	16 58.9
5	23 51 16.40	31.06	2 19 12.1	3 36.2	0.710 8305	1 2824	16 55.4
6	23 51 47.46	31.58	−2 15 35.9	3 39.5	0.712 1129	1 2727	16 52.0
7	23 52 19.04	32.09	2 11 56.4	3 42.7	0.713 3856	1 2629	16 48.6
8	23 52 51.13	32.59	2 8 13.7	3 45.9	0.714 6485	1 2529	16 45.2
9	23 53 23.72	33.10	2 4 27.8	3 49.1	0.715 9014	1 2428	16 41.9
10	23 53 56.82	33.60	2 0 38.7	3 52.2	0.717 1442	1 2324	16 38.5
11	23 54 30.42	34.09	1 56 46.5	3 55.2	0.718 3766	1 2219	16 35.1
12	23 55 4.51	34.57	−1 52 51.3	3 58.2	0.719 5985	1 2113	16 31.8
13	23 55 39.08	35.04	1 48 53.1	4 1.1	0.720 8098	1 2006	16 28.4
14	23 56 14.12	35.52	1 44 52.0	4 4.1	0.722 0104	1 1896	16 25.1
15	23 56 49.64	35.97	1 40 47.9	4 7.0	0.723 2000	1 1783	16 21.7
16	23 57 25.61	36.43	1 36 40.9	4 9.9	0.724 3783	1 1670	16 18.4
17	23 58 2.04	36.89	1 32 31.0	4 12.6	0.725 5453	1 1555	16 15.1
18	23 58 38.93	37.33	−1 28 18.4	4 15.4	0.726 7008	1 1438	16 11.7
19	23 59 16.26	37.76	1 24 3.0	4 18.1	0.727 8446	1 1320	16 8.4
20	23 59 54.02	38.20	1 19 44.9	4 20.7	0.728 9766	1 1201	16 5.1
21	0 0 32.22	38.63	1 15 24.2	4 23.3	0.730 0967	1 1081	16 1.8
22	0 1 10.85	39.04	1 11 0.9	4 25.9	0.731 2048	1 0958	15 58.6
23	0 1 49.89	39.45	1 6 35.0	4 28.4	0.732 3006	1 0833	15 55.3
24	0 2 29.34	39.85	−1 2 6.6	4 30.9	0.733 3839	1 0707	15 52.0
25	0 3 9.19	40.25	0 57 35.7	4 33.3	0.734 4546	1 0579	15 48.7
26	0 3 49.44	40.63	0 53 2.4	4 35.7	0.735 5125	1 0451	15 45.5
27	0 4 30.07	41.01	0 48 26.7	4 38.0	0.736 5576	1 0322	15 42.2
28	0 5 11.08	41.39	0 43 48.7	4 40.3	0.737 5898	1 0192	15 39.0
29	0 5 52.47	41.75	0 39 8.4	4 42.5	0.738 6090	1 0061	15 35.7
30	0 6 34.22	42.11	−0 34 25.9	4 44.6	0.739 6151	9929	15 32.5
31	0 7 16.33	42.46	0 29 41.3	4 46.7	0.740 6080	9797	15 29.3
Febr. 1	0 7 58.79	42.81	0 24 54.6	4 48.7	0.741 5877	9663	15 26.0
2	0 8 41.60	43.15	0 20 5.9	4 50.8	0.742 5540	9529	15 22.8
3	0 9 24.75	43.47	0 15 15.1	4 52.7	0.743 5069	9394	15 19.6
4	0 10 8.22	43.80	0 10 22.4	4 54.7	0.744 4463	9260	15 16.4
5	0 10 52.02	44.12	−0 5 27.7	4 56.5	0.745 3723	9124	15 13.2
6	0 11 36.14	44.44	−0 0 31.2	4 58.4	0.746 2847	8988	15 10.0
7	0 12 20.58	44.74	+0 4 27.2	5 0.1	0.747 1835	8852	15 6.8
8	0 13 5.32	45.04	0 9 27.3	5 1.8	0.748 0687	8716	15 3.6
9	0 13 50.36	45.34	0 14 29.1	5 3.6	0.748 9403	8578	15 0.5
10	0 14 35.70		+0 19 32.7		0.749 7981		14 57.3

Tag	0h Welt-Zeit: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1928	h m s	s	° ′ ″	′ ″			h m
Febr. 10	0 14 35.70	45.64	+0 19 32.7	5 5.3	0.749 7981	8441	14 57.3
11	0 15 21.34	45.93	0 24 38.0	5 6.9	0.750 6422	8301	14 54.1
12	0 16 7.27	46.21	0 29 44.9	5 8.5	0.751 4723	8162	14 50.9
13	0 16 53.48	46.49	0 34 53.4	5 10.0	0.752 2885	8022	14 47.8
14	0 17 39.97	46.76	0 40 3.4	5 11.6	0.753 0907	7881	14 44.6
15	0 18 26.73	47.02	0 45 15.0	5 13.0	0.753 8788	7739	14 41.5
16	0 19 13.75	47.28	+0 50 28.0	5 14.4	0.754 6527	7597	14 38.3
17	0 20 1.03	47.54	0 55 42.4	5 15.8	0.755 4124	7455	14 35.2
18	0 20 48.57	47.79	1 0 58.2	5 17.1	0.756 1579	7312	14 32.0
19	0 21 36.36	48.03	1 6 15.3	5 18.5	0.756 8891	7167	14 28.9
20	0 22 24.39	48.27	1 11 33.8	5 19.8	0.757 6058	7023	14 25.8
21	0 23 12.66	48.51	1 16 53.6	5 21.0	0.758 3081	6876	14 22.6
22	0 24 1.17	48.73	+1 22 14.6	5 22.1	0.758 9957	6730	14 19.5
23	0 24 49.90	48.95	1 27 36.7	5 23.2	0.759 6687	6584	14 16.4
24	0 25 38.85	49.17	1 32 59.9	5 24.3	0.760 3271	6437	14 13.3
25	0 26 28.02	49.37	1 38 24.2	5 25.3	0.760 9708	6291	14 10.2
26	0 27 17.39	49.58	1 43 49.5	5 26.3	0.761 5999	6144	14 7.0
27	0 28 6.97	49.77	1 49 15.8	5 27.2	0.762 2143	5997	14 3.9
28	0 28 56.74	49.95	+1 54 43.0	5 28.1	0.762 8140	5850	14 0.8
29	0 29 46.69	50.14	2 0 11.1	5 29.0	0.763 3990	5703	13 57.7
März 1	0 30 36.83	50.32	2 5 40.1	5 29.7	0.763 9693	5556	13 54.6
2	0 31 27.15	50.50	2 11 9.8	5 30.5	0.764 5249	5409	13 51.5
3	0 32 17.65	50.67	2 16 40.3	5 31.2	0.765 0658	5263	13 48.4
4	0 33 8.32	50.83	2 22 11.5	5 31.9	0.765 5921	5115	13 45.3
5	0 33 59.15	50.99	+2 27 43.4	5 32.6	0.766 1036	4969	13 42.3
6	0 34 50.14	51.15	2 33 16.0	5 33.2	0.766 6005	4821	13 39.2
7	0 35 41.29	51.30	2 38 49.2	5 33.7	0.767 0826	4675	13 36.1
8	0 36 32.59	51.44	2 44 22.9	5 34.3	0.767 5501	4529	13 33.0
9	0 37 24.03	51.59	2 49 57.2	5 34.8	0.768 0030	4382	13 29.9
10	0 38 15.62	51.74	2 55 32.0	5 35.3	0.768 4412	4235	13 26.8
11	0 39 7.36	51.87	+3 1 7.3	5 35.7	0.768 8647	4087	13 23.8
12	0 39 59.23	52.00	3 6 43.0	5 36.2	0.769 2734	3941	13 20.7
13	0 40 51.23	52.13	3 12 19.2	5 36.5	0.769 6675	3793	13 17.6
14	0 41 43.36	52.25	3 17 55.7	5 36.9	0.770 0468	3645	13 14.6
15	0 42 35.61	52.37	3 23 32.6	5 37.1	0.770 4113	3496	13 11.5
16	0 43 27.98	52.48	3 29 9.7	5 37.3	0.770 7609	3348	13 8.4
17	0 44 20.46	52.59	+3 34 47.0	5 37.7	0.771 0957	3199	13 5.4
18	0 45 13.05	52.70	3 40 24.7	5 37.8	0.771 4156	3050	13 2.3
19	0 46 5.75	52.80	3 46 2.5	5 38.0	0.771 7206	2901	12 59.3
20	0 46 58.55	52.89	3 51 40.5	5 38.0	0.772 0107	2751	12 56.2
21	0 47 51.44	52.98	3 57 18.5	5 38.2	0.772 2858	2602	12 53.2
22	0 48 44.42		+4 2 56.7		0.772 5460		12 50.1

Tag	0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1928	h m s	s	° ′ ″	′ ″			h m
März 22	0 48 44.42	53.06	+4 2 56.7	5 38.2	0.772 5460	2453	12 50.1
23	0 49 37.48	53.15	4 8 34.9	5 38.2	0.772 7913	2303	12 47.1
24	0 50 30.63	53.22	4 14 13.1	5 38.1	0.773 0216	2153	12 44.0
25	0 51 23.85	53.28	4 19 51.2	5 38.1	0.773 2369	2005	12 41.0
26	0 52 17.13	53.35	4 25 29.3	5 38.0	0.773 4374	1855	12 37.9
27	0 53 10.48	53.41	4 31 7.3	5 37.7	0.773 6229	1707	12 34.9
28	0 54 3.89	53.47	+4 36 45.0	5 37.5	0.773 7936	1560	12 31.8
29	0 54 57.36	53.51	4 42 22.5	5 37.3	0.773 9496	1411	12 28.8
30	0 55 50.87	53.56	4 47 59.8	5 37.0	0.774 0907	1263	12 25.7
31	0 56 44.43	53.60	4 53 36.8	5 36.7	0.774 2170	1116	12 22.7
April 1	0 57 38.03	53.64	4 59 13.5	5 36.3	0.774 3286	969	12 19.6
2	0 58 31.67	53.68	5 4 49.8	5 36.0	0.774 4255	821	12 16.6
3	0 59 25.35	53.71	+5 10 25.8	5 35.6	0.774 5076	675	12 13.6
4	1 0 19.06	53.73	5 16 1.4	5 35.1	0.774 5751	529	12 10.5
5	1 1 12.79	53.75	5 21 36.5	5 34.7	0.774 6280	382	12 7.5
6	1 2 6.54	53.77	5 27 11.2	5 34.2	0.774 6662	237	12 4.5
7	1 3 0.31	53.79	5 32 45.4	5 33.7	0.774 6899	91	12 1.4
8	1 3 54.10	53.80	5 38 19.1	5 33.1	0.774 6990	54	11 58.4
9	1 4 47.90	53.81	+5 43 52.2	5 32.5	0.774 6936	201	11 55.3
10	1 5 41.71	53.82	5 49 24.7	5 32.0	0.774 6735	346	11 52.3
11	1 6 35.53	53.82	5 54 56.7	5 31.3	0.774 6389	492	11 49.3
12	1 7 29.35	53.81	6 0 28.0	5 30.6	0.774 5897	639	11 46.2
13	1 8 23.16	53.80	6 5 58.6	5 30.0	0.774 5258	785	11 43.2
14	1 9 16.96	53.80	6 11 28.6	5 29.2	0.774 4473	931	11 40.1
15	1 10 10.76	53.78	+6 16 57.8	5 28.5	0.774 3542	1077	11 37.1
16	1 11 4.54	53.76	6 22 26.3	5 27.7	0.774 2465	1223	11 34.0
17	1 11 58.30	53.73	6 27 54.0	5 26.8	0.774 1242	1370	11 31.0
18	1 12 52.03	53.71	6 33 20.8	5 26.0	0.773 9872	1516	11 28.0
19	1 13 45.74	53.67	6 38 46.8	5 25.1	0.773 8356	1661	11 24.9
20	1 14 39.41	53.63	6 44 11.9	5 24.2	0.773 6695	1808	11 21.9
21	1 15 33.04	53.58	+6 49 36.1	5 23.2	0.773 4887	1953	11 18.8
22	1 16 26.62	53.53	6 54 59.3	5 22.2	0.773 2934	2099	11 15.8
23	1 17 20.15	53.48	7 0 21.5	5 21.2	0.773 0835	2244	11 12.8
24	1 18 13.63	53.42	7 5 42.7	5 20.1	0.772 8591	2388	11 9.7
25	1 19 7.05	53.35	7 11 2.8	5 18.9	0.772 6203	2533	11 6.7
26	1 20 0.40	53.28	7 16 21.7	5 17.8	0.772 3670	2676	11 3.6
27	1 20 53.68	53.21	+7 21 39.5	5 16.7	0.772 0994	2819	11 0.6
28	1 21 46.89	53.13	7 26 56.2	5 15.5	0.771 8175	2962	10 57.5
29	1 22 40.02	53.05	7 32 11.7	5 14.3	0.771 5213	3103	10 54.5
30	1 23 33.07	52.96	7 37 26.0	5 13.1	0.771 2110	3245	10 51.4
Mai 1	1 24 26.03	52.87	7 42 39.1	5 11.7	0.770 8865	3387	10 48.3
2	1 25 18.90		+7 47 50.8		0.770 5478		10 45.3

Tag	0h Welt-Zeit: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1928	h m s	s	° ′ ″	′ ″			h m
Mai 2	1 25 18.90	52.78	+ 7 47 50.8	5 10.5	0.770 5478	3527	10 45.3
3	1 26 11.68	52.69	7 53 1.3	5 9.1	0.770 1951	3667	10 42.2
4	1 27 4.37	52.59	7 58 10.4	5 7.9	0.769 8284	3808	10 39.2
5	1 27 56.96	52.49	8 3 18.3	5 6.5	0.769 4476	3948	10 36.1
6	1 28 49.45	52.37	8 8 24.8	5 5.1	0.769 0528	4087	10 33.1
7	1 29 41.82	52.27	8 13 29.9	5 3.7	0.768 6441	4227	10 30.0
8	1 30 34.09	52.15	+ 8 18 33.6	5 2.2	0.768 2214	4368	10 26.9
9	1 31 26.24	52.02	8 23 35.8	5 0.8	0.767 7846	4507	10 23.9
10	1 32 18.26	51.90	8 28 36.6	4 59.3	0.767 3339	4647	10 20.8
11	1 33 10.16	51.77	8 33 35.9	4 57.8	0.766 8692	4787	10 17.7
12	1 34 1.93	51.64	8 38 33.7	4 56.2	0.766 3905	4925	10 14.7
13	1 34 53.57	51.50	8 43 29.9	4 54.7	0.765 8980	5064	10 11.6
14	1 35 45.07	51.36	+ 8 48 24.6	4 53.1	0.765 3916	5203	10 8.5
15	1 36 36.43	51.21	8 53 17.7	4 51.5	0.764 8713	5343	10 5.4
16	1 37 27.64	51.05	8 58 9.2	4 49.9	0.764 3370	5481	10 2.3
17	1 38 18.69	50.90	9 2 59.1	4 48.2	0.763 7889	5619	9 59.2
18	1 39 9.59	50.72	9 7 47.3	4 46.5	0.763 2270	5758	9 56.2
19	1 40 0.31	50.55	9 12 33.8	4 44.6	0.762 6512	5896	9 53.1
20	1 40 50.86	50.38	+ 9 17 18.4	4 42.9	0.762 0616	6033	9 50.0
21	1 41 41.24	50.19	9 22 1.3	4 41.1	0.761 4583	6170	9 46.9
22	1 42 31.43	50.00	9 26 42.4	4 39.3	0.760 8413	6306	9 43.8
23	1 43 21.43	49.81	9 31 21.7	4 37.4	0.760 2107	6441	9 40.7
24	1 44 11.24	49.61	9 35 59.1	4 35.5	0.759 5666	6575	9 37.6
25	1 45 0.85	49.41	9 40 34.6	4 33.6	0.758 9091	6709	9 34.5
26	1 45 50.26	49.20	+ 9 45 8.2	4 31.6	0.758 2382	6843	9 31.3
27	1 46 39.46	48.98	9 49 39.8	4 29.7	0.757 5539	6975	9 28.2
28	1 47 28.44	48.76	9 54 9.5	4 27.8	0.756 8564	7105	9 25.1
29	1 48 17.20	48.54	9 58 37.3	4 25.7	0.756 1459	7237	9 22.0
30	1 49 5.74	48.32	10 3 3.0	4 23.6	0.755 4222	7367	9 18.8
31	1 49 54.06	48.08	10 7 26.6	4 21.6	0.754 6855	7497	9 15.7
Juni 1	1 50 42.14	47.84	+10 11 48.2	4 19.6	0.753 9358	7627	9 12.6
2	1 51 29.98	47.61	10 16 7.8	4 17.5	0.753 1731	7756	9 9.4
3	1 52 17.59	47.36	10 20 25.3	4 15.4	0.752 3975	7884	9 6.3
4	1 53 4.95	47.10	10 24 40.7	4 13.3	0.751 6091	8013	9 3.2
5	1 53 52.05	46.85	10 28 54.0	4 11.1	0.750 8078	8140	9 0.0
6	1 54 38.90	46.59	10 33 5.1	4 9.0	0.749 9938	8268	8 56.8
7	1 55 25.49	46.31	+10 37 14.1	4 6.8	0.749 1670	8394	8 53.7
8	1 56 11.80	46.05	10 41 20.9	4 4.6	0.748 3276	8521	8 50.5
9	1 56 57.85	45.77	10 45 25.5	4 2.3	0.747 4755	8648	8 47.3
10	1 57 43.62	45.48	10 49 27.8	4 0.0	0.746 6107	8773	8 44.2
11	1 58 29.10	45.19	10 53 27.8	3 57.8	0.745 7334	8899	8 41.0
12	1 59 14.29		+10 57 25.6		0.744 8435		8 37.8

Tag	0h Welt-Zeit: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1928	h m s	s	° ′ ″	′ ″			h m
Juni 12	1 59 14.29	44.89	+10 57 25.6	3 55.6	0.744 8435	9024	8 37.8
13	1 59 59.18	44.59	11 1 21.2	3 53.2	0.743 9411	9148	8 34.6
14	2 0 43.77	44.28	11 5 14.4	3 50.8	0.743 0263	9272	8 31.4
15	2 1 28.05	43.96	11 9 5.2	3 48.4	0.742 0991	9395	8 28.2
16	2 2 12.01	43.62	11 12 53.6	3 46.0	0.741 1596	9516	8 25.0
17	2 2 55.63	43.29	11 16 39.6	3 43.5	0.740 2080	9638	8 21.8
18	2 3 38.92	42.97	+11 20 23.1	3 41.0	0.739 2442	9757	8 18.6
19	2 4 21.89	42.61	11 24 4.1	3 38.6	0.738 2685	9875	8 15.4
20	2 5 4.50	42.25	11 27 42.7	3 36.0	0.737 2810	9993	8 12.1
21	2 5 46.75	41.90	11 31 18.7	3 33.4	0.736 2817	1 0110	8 8.9
22	2 6 28.65	41.53	11 34 52.1	3 30.9	0.735 2707	1 0226	8 5.6
23	2 7 10.18	41.16	11 38 23.0	3 28.2	0.734 2481	1 0339	8 2.4
24	2 7 51.34	40.78	+11 41 51.2	3 25.7	0.733 2142	1 0452	7 59.1
25	2 8 32.12	40.40	11 45 16.9	3 23.1	0.732 1690	1 0562	7 55.9
26	2 9 12.52	40.02	11 48 40.0	3 20.4	0.731 1128	1 0672	7 52.6
27	2 9 52.54	39.62	11 52 0.4	3 17.7	0.730 0456	1 0781	7 49.4
28	2 10 32.16	39.21	11 55 18.1	3 15.1	0.728 9675	1 0890	7 46.1
29	2 11 11.37	38.80	11 58 33.2	3 12.4	0.727 8785	1 0997	7 42.8
30	2 11 50.17	38.39	+12 1 45.6	3 9.6	0.726 7788	1 1103	7 39.5
Juli 1	2 12 28.56	37.97	12 4 55.2	3 6.9	0.725 6685	1 1207	7 36.2
2	2 13 6.53	37.55	12 8 2.1	3 4.1	0.724 5478	1 1311	7 32.9
3	2 13 44.08	37.11	12 11 6.2	3 1.4	0.723 4167	1 1413	7 29.6
4	2 14 21.19	36.68	12 14 7.6	2 58.6	0.722 2754	1 1515	7 26.3
5	2 14 57.87	36.23	12 17 6.2	2 55.8	0.721 1239	1 1615	7 23.0
6	2 15 34.10	35.78	+12 20 2.0	2 52.9	0.719 9624	1 1715	7 19.6
7	2 16 9.88	35.31	12 22 54.9	2 50.1	0.718 7909	1 1813	7 16.3
8	2 16 45.19	34.84	12 25 45.0	2 47.3	0.717 6096	1 1909	7 12.9
9	2 17 20.03	34.37	12 28 32.3	2 44.3	0.716 4187	1 2004	7 9.6
10	2 17 54.40	33.89	12 31 16.6	2 41.3	0.715 2183	1 2099	7 6.2
11	2 18 28.29	33.40	12 33 57.9	2 38.5	0.714 0084	1 2191	7 2.9
12	2 19 1.69	32.90	+12 36 36.4	2 35.5	0.712 7893	1 2282	6 59.5
13	2 19 34.59	32.39	12 39 11.9	2 32.4	0.711 5611	1 2371	6 56.1
14	2 20 6.98	31.87	12 41 44.3	2 29.4	0.710 3240	1 2459	6 52.7
15	2 20 38.85	31.35	12 44 13.7	2 26.4	0.709 0781	1 2545	6 49.3
16	2 21 10.20	30.81	12 46 40.1	2 23.3	0.707 8236	1 2628	6 45.9
17	2 21 41.01	30.28	12 49 3.4	2 20.2	0.706 5608	1 2709	6 42.4
18	2 22 11.29	29.73	+12 51 23.6	2 17.0	0.705 2899	1 2787	6 39.0
19	2 22 41.02	29.17	12 53 40.6	2 13.9	0.704 0112	1 2864	6 35.6
20	2 23 10.19	28.62	12 55 54.5	2 10.8	0.702 7248	1 2938	6 32.1
21	2 23 38.81	28.04	12 58 5.3	2 7.6	0.701 4310	1 3009	6 28.7
22	2 24 6.85	27.46	13 0 12.9	2 4.3	0.700 1301	1 3077	6 25.2
23	2 24 34.31		+13 2 17.2		0.698 8224		6 21.7

Tag	0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1928	h m s	s	° ′ ″	′ ″			h m
Juli 23	2 24 34.31	26.89	+13 2 17.2	2 1.0	0.698 8224	1 3143	6 21.7
24	2 25 1.20	26.30	13 4 18.2	1 57.9	0.697 5081	1 3209	6 18.2
25	2 25 27.50	25.70	13 6 16.1	1 54.7	0.696 1872	1 3271	6 14.7
26	2 25 53.20	25.10	13 8 10.8	1 51.4	0.694 8601	1 3329	6 11.2
27	2 26 18.30	24.49	13 10 2.2	1 48.1	0.693 5272	1 3387	6 7.7
28	2 26 42.79	23.88	13 11 50.3	1 44.8	0.692 1885	1 3443	6 4.2
29	2 27 6.67	23.26	+13 13 35.1	1 41.6	0.690 8442	1 3494	6 0.6
30	2 27 29.93	22.63	13 15 16.7	1 38.2	0.689 4948	1 3543	5 57.1
31	2 27 52.56	21.99	13 16 54.9	1 34.9	0.688 1405	1 3589	5 53.5
Aug. 1	2 28 14.55	21.36	13 18 29.8	1 31.5	0.686 7816	1 3634	5 50.0
2	2 28 35.91	20.71	13 20 1.3	1 28.2	0.685 4182	1 3676	5 46.4
3	2 28 56.62	20.05	13 21 29.5	1 24.8	0.684 0506	1 3715	5 42.8
4	2 29 16.67	19.40	+13 22 54.3	1 21.4	0.682 6791	1 3751	5 39.2
5	2 29 36.07	18.73	13 24 15.7	1 18.0	0.681 3040	1 3786	5 35.6
6	2 29 54.80	18.05	13 25 33.7	1 14.5	0.679 9254	1 3816	5 32.0
7	2 30 12.85	17.36	13 26 48.2	1 11.1	0.678 5438	1 3843	5 28.3
8	2 30 30.21	16.67	13 27 59.3	1 7.6	0.677 1595	1 3867	5 24.7
9	2 30 46.88	15.98	13 29 6.9	1 4.1	0.675 7728	1 3889	5 21.0
10	2 31 2.86	15.27	+13 30 11.0	1 0.5	0.674 3839	1 3906	5 17.3
11	2 31 18.13	14.56	13 31 11.5	0 56.9	0.672 9933	1 3919	5 13.6
12	2 31 32.69	13.84	13 32 8.4	0 53.4	0.671 6014	1 3928	5 9.9
13	2 31 46.53	13.12	13 33 1.8	0 49.9	0.670 2086	1 3934	5 6.2
14	2 31 59.65	12.38	13 33 51.7	0 46.3	0.668 8152	1 3935	5 2.5
15	2 32 12.03	11.65	13 34 38.0	0 42.6	0.667 4217	1 3932	4 58.8
16	2 32 23.68	10.91	+13 35 20.6	0 38.9	0.666 0285	1 3925	4 55.1
17	2 32 34.59	10.16	13 35 59.5	0 35.3	0.664 6360	1 3912	4 51.3
18	2 32 44.75	9.41	13 36 34.8	0 31.7	0.663 2448	1 3897	4 47.5
19	2 32 54.16	8.65	13 37 6.5	0 28.1	0.661 8551	1 3876	4 43.8
20	2 33 2.81	7.90	13 37 34.6	0 24.4	0.660 4675	1 3850	4 40.0
21	2 33 10.71	7.14	13 37 59.0	0 20.7	0.659 0825	1 3820	4 36.2
22	2 33 17.85	6.37	+13 38 19.7	0 17.1	0.657 7005	1 3787	4 32.3
23	2 33 24.22	5.61	13 38 36.8	0 13.5	0.656 3218	1 3748	4 28.5
24	2 33 29.83	4.83	13 38 50.3	0 9.7	0.654 9470	1 3704	4 24.7
25	2 33 34.66	4.07	13 39 0.0	0 6.1	0.653 5766	1 3656	4 20.8
26	2 33 38.73	3.29	13 39 6.1	0 2.5	0.652 2110	1 3604	4 17.0
27	2 33 42.02	2.52	13 39 8.6	0 1.2	0.650 8506	1 3547	4 13.1
28	2 33 44.54	1.74	+13 39 7.4	0 4.9	0.649 4959	1 3484	4 9.2
29	2 33 46.28	0.96	13 39 2.5	0 8.5	0.648 1475	1 3419	4 5.3
30	2 33 47.24	0.18	13 38 54.0	0 12.2	0.646 8056	1 3348	4 1.4
31	2 33 47.42	0.60	13 38 41.8	0 15.9	0.645 4708	1 3271	3 57.4
Sept. 1	2 33 46.82	1.39	13 38 25.9	0 19.5	0.644 1437	1 3191	3 53.5
2	2 33 45.43		+13 38 6.4		0.642 8246		3 49.5

Tag	0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1928	h m s	s	° ′ ″	′ ″			h m
Sept. 2	2 33 45.43	2.17	+13 38 6.4	0 23.1	0.642 8246	1 3104	3 49.5
3	2 33 43.26	2.95	13 37 43.3	0 26.9	0.641 5142	1 3014	3 45.6
4	2 33 40.31	3.74	13 37 16.4	0 30.5	0.640 2128	1 2917	3 41.6
5	2 33 36.57	4.52	13 36 45.9	0 34.1	0.638 9211	1 2815	3 37.6
6	2 33 32.05	5.31	13 36 11.8	0 37.8	0.637 6396	1 2708	3 33.6
7	2 33 26.74	6.10	13 35 34.0	0 41.5	0.636 3688	1 2594	3 29.6
8	2 33 20.64	6.88	+13 34 52.5	0 45.1	0.635 1094	1 2475	3 25.5
9	2 33 13.76	7.67	13 34 7.4	0 48.7	0.633 8619	1 2350	3 21.5
10	2 33 6.09	8.44	13 33 18.7	0 52.4	0.632 6269	1 2219	3 17.4
11	2 32 57.65	9.22	13 32 26.3	0 56.0	0.631 4050	1 2081	3 13.3
12	2 32 48.43	9.99	13 31 30.3	0 59.5	0.630 1969	1 1938	3 9.3
13	2 32 38.44	10.77	13 30 30.8	1 3.1	0.629 0031	1 1788	3 5.2
14	2 32 27.67	11.53	+13 29 27.7	1 6.6	0.627 8243	1 1631	3 1.0
15	2 32 16.14	12.27	13 28 21.1	1 10.1	0.626 6612	1 1469	2 56.9
16	2 32 3.87	13.03	13 27 11.0	1 13.6	0.625 5143	1 1301	2 52.8
17	2 31 50.84	13.77	13 25 57.4	1 17.0	0.624 3842	1 1126	2 48.6
18	2 31 37.07	14.50	13 24 40.4	1 20.4	0.623 2716	1 0945	2 44.5
19	2 31 22.57	15.22	13 23 20.0	1 23.8	0.622 1771	1 0759	2 40.3
20	2 31 7.35	15.94	+13 21 56.2	1 27.0	0.621 1012	1 0567	2 36.1
21	2 30 51.41	16.64	13 20 29.2	1 30.3	0.620 0445	1 0369	2 31.9
22	2 30 34.77	17.33	13 18 58.9	1 33.5	0.619 0076	1 0166	2 27.7
23	2 30 17.44	18.02	13 17 25.4	1 36.7	0.617 9910	9957	2 23.5
24	2 29 59.42	18.69	13 15 48.7	1 39.8	0.616 9953	9742	2 19.3
25	2 29 40.73	19.35	13 14 8.9	1 42.8	0.616 0211	9521	2 15.0
26	2 29 21.38	20.00	+13 12 26.1	1 45.8	0.615 0690	9296	2 10.8
27	2 29 1.38	20.63	13 10 40.3	1 48.7	0.614 1394	9065	2 6.5
28	2 28 40.75	21.26	13 8 51.6	1 51.7	0.613 2329	8830	2 2.2
29	2 28 19.49	21.87	13 6 59.9	1 54.5	0.612 3499	8591	1 57.9
30	2 27 57.62	22.47	13 5 5.4	1 57.2	0.611 4908	8344	1 53.6
Okt. 1	2 27 35.15	23.05	13 3 8.2	1 59.9	0.610 6564	8093	1 49.3
2	2 27 12.10	23.62	+13 1 8.3	2 2.5	0.609 8471	7836	1 45.0
3	2 26 48.48	24.18	12 59 5.8	2 5.1	0.609 0635	7573	1 40.7
4	2 26 24.30	24.72	12 57 0.7	2 7.6	0.608 3062	7306	1 36.4
5	2 25 59.58	25.25	12 54 53.1	2 10.1	0.607 5756	7035	1 32.0
6	2 25 34.33	25.76	12 52 43.0	2 12.4	0.606 8721	6756	1 27.7
7	2 25 8.57	26.25	12 50 30.6	2 14.8	0.606 1965	6474	1 23.3
8	2 24 42.32	26.72	+12 48 15.8	2 17.0	0.605 5491	6186	1 18.9
9	2 24 15.60	27.17	12 45 58.8	2 19.0	0.604 9305	5893	1 14.6
10	2 23 48.43	27.61	12 43 39.8	2 21.0	0.604 3412	5596	1 10.2
11	2 23 20.82	28.02	12 41 18.8	2 22.9	0.603 7816	5294	1 5.8
12	2 22 52.80	28.41	12 38 55.9	2 24.8	0.603 2522	4989	1 1.4
13	2 22 24.39		+12 36 31.1		0.602 7533		0 57.0

Tag		0h Welt-Zeit: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1928		h m s	s	° ′ ″	′ ″			h m
Okt.	13	2 22 24.39	28.77	+12 36 31.1	2 26.5	0.602 7533	4680	0 57.0
	14	2 21 55.62	29.12	12 34 4.6	2 28.0	0.602 2853	4367	0 52.6
	15	2 21 26.50	29.45	12 31 36.6	2 29.5	0.601 8486	4050	0 48.2
	16	2 20 57.05	29.76	12 29 7.1	2 30.9	0.601 4436	3731	0 43.8
	17	2 20 27.29	30.03	12 26 36.2	2 32.2	0.601 0705	3408	0 39.3
	18	2 19 57.26	30.28	12 24 4.0	2 33.3	0.600 7297	3082	0 34.9
	19	2 19 26.98	30.52	+12 21 30.7	2 34.3	0.600 4215	2755	0 30.5
	20	2 18 56.46	30.72	12 18 56.4	2 35.2	0.600 1460	2426	0 26.0
	21	2 18 25.74	30.91	12 16 21.2	2 36.0	0.599 9034	2095	0 21.6
	22	2 17 54.83	31.07	12 13 45.2	2 36.6	0.599 6939	1761	0 17.2
	23	2 17 23.76	31.20	12 11 8.6	2 37.1	0.599 5178	1427	0 12.7
	24	2 16 52.56	31.31	12 8 31.5	2 37.5	0.599 3751	1092	0 8.3
	25	2 16 21.25	31.40	+12 5 54.0	2 37.9	0.599 2659	756	{0 3.8 / 23 59.3}
	26	2 15 49.85	31.46	12 3 16.1	2 38.0	0.599 1903	420	23 54.9
	27	2 15 18.39	31.49	12 0 38.1	2 38.1	0.599 1483	84	23 50.4
	28	2 14 46.90	31.51	11 58 0.0	2 38.0	0.599 1399	254	23 46.0
	29	2 14 15.39	31.51	11 55 22.0	2 37.8	0.599 1653	591	23 41.5
	30	2 13 43.88	31.49	11 52 44.2	2 37.5	0.599 2244	928	23 37.1
	31	2 13 12.39	31.43	+11 50 6.7	2 37.1	0.599 3172	1265	23 32.6
Nov.	1	2 12 40.96	31.34	11 47 29.6	2 36.6	0.599 4437	1602	23 28.2
	2	2 12 9.62	31.25	11 44 53.0	2 35.9	0.599 6039	1938	23 23.7
	3	2 11 38.37	31.14	11 42 17.1	2 35.2	0.599 7977	2273	23 19.3
	4	2 11 7.23	30.98	11 39 41.9	2 34.2	0.600 0250	2609	23 14.9
	5	2 10 36.25	30.80	11 37 7.7	2 33.1	0.600 2859	2943	23 10.4
	6	2 10 5.45	30.62	+11 34 34.6	2 32.0	0.600 5802	3275	23 6.0
	7	2 9 34.83	30.40	11 32 2.6	2 30.8	0.600 9077	3607	23 1.5
	8	2 9 4.43	30.15	11 29 31.8	2 29.3	0.601 2684	3936	22 57.1
	9	2 8 34.28	29.89	11 27 2.5	2 27.7	0.601 6620	4263	22 52.7
	10	2 8 4.39	29.59	11 24 34.8	2 26.0	0.602 0883	4588	22 48.2
	11	2 7 34.80	29.28	11 22 8.8	2 24.3	0.602 5471	4909	22 43.8
	12	2 7 5.52	28.94	+11 19 44.5	2 22.3	0.603 0380	5227	22 39.4
	13	2 6 36.58	28.57	11 17 22.2	2 20.2	0.603 5607	5542	22 35.0
	14	2 6 8.01	28.20	11 15 2.0	2 18.1	0.604 1149	5852	22 30.6
	15	2 5 39.81	27.80	11 12 43.9	2 15.7	0.604 7001	6159	22 26.2
	16	2 5 12.01	27.37	11 10 28.2	2 13.3	0.605 3160	6463	22 21.8
	17	2 4 44.64	26.93	11 8 14.9	2 10.8	0.605 9623	6761	22 17.5
	18	2 4 17.71	26.46	+11 6 4.1	2 8.1	0.606 6384	7055	22 13.1
	19	2 3 51.25	25.98	11 3 56.0	2 5.4	0.607 3439	7346	22 8.7
	20	2 3 25.27	25.47	11 1 50.6	2 2.6	0.608 0785	7630	22 4.4
	21	2 2 59.80	24.95	10 59 48.0	1 59.6	0.608 8415	7909	22 0.0
	22	2 2 34.85	24.42	10 57 48.4	1 56.6	0.609 6324	8183	21 55.7
	23	2 2 10.43		+10 55 51.8		0.610 4507		21 51.3

Tag	0h Welt-Zeit: Scheinbare Rektaszension		0h Welt-Zeit: Scheinbare Deklination		0h Welt-Zeit: log Δ		Obere Kulmination in Greenwich
1928	h m s	s	° ′ ″	′ ″			h m
Nov. 23	2 2 10.43	23.86	+10 55 51.8	1 53.4	0.610 4507	8452	21 51.3
24	2 1 46.57	23.30	10 53 58.4	1 50.3	0.611 2959	8714	21 47.0
25	2 1 23.27	22.72	10 52 8.1	1 47.0	0.612 1673	8972	21 42.7
26	2 1 0.55	22.12	10 50 21.1	1 43.6	0.613 0645	9225	21 38.4
27	2 0 38.43	21.51	10 48 37.5	1 40.1	0.613 9870	9473	21 34.1
28	2 0 16.92	20.89	10 46 57.4	1 36.7	0.614 9343	9715	21 29.9
29	1 59 56.03	20.26	+10 45 20.7	1 33.2	0.615 9058	9952	21 25.6
30	1 59 35.77	19.61	10 43 47.5	1 29.5	0.616 9010	1 0184	21 21.3
Dez. 1	1 59 16.16	18.95	10 42 18.0	1 25.7	0.617 9194	1 0410	21 17.1
2	1 58 57.21	18.28	10 40 52.3	1 22.0	0.618 9604	1 0630	21 12.8
3	1 58 38.93	17.60	10 39 30.3	1 18.2	0.620 0234	1 0845	21 8.6
4	1 58 21.33	16.91	10 38 12.1	1 14.3	0.621 1079	1 1055	21 4.4
5	1 58 4.42	16.20	+10 36 57.8	1 10.4	0.622 2134	1 1259	21 0.2
6	1 57 48.22	15.49	10 35 47.4	1 6.4	0.623 3393	1 1457	20 56.0
7	1 57 32.73	14.76	10 34 41.0	1 2.2	0.624 4850	1 1648	20 51.8
8	1 57 17.97	14.03	10 33 38.8	0 58.1	0.625 6498	1 1834	20 47.7
9	1 57 3.94	13.29	10 32 40.7	0 54.0	0.626 8332	1 2012	20 43.5
10	1 56 50.65	12.53	10 31 46.7	0 49.8	0.628 0344	1 2186	20 39.4
11	1 56 38.12	11.77	+10 30 56.9	0 45.5	0.629 2530	1 2352	20 35.3
12	1 56 26.35	11.01	10 30 11.4	0 41.2	0.630 4882	1 2513	20 31.1
13	1 56 15.34	10.23	10 29 30.2	0 36.9	0.631 7395	1 2666	20 27.0
14	1 56 5.11	9.46	10 28 53.3	0 32.5	0.633 0061	1 2813	20 22.9
15	1 55 55.65	8.68	10 28 20.8	0 28.2	0.634 2874	1 2954	20 18.9
16	1 55 46.97	7.89	10 27 52.6	0 23.8	0.635 5828	1 3088	20 14.8
17	1 55 39.08	7.10	+10 27 28.8	0 19.4	0.636 8916	1 3217	20 10.7
18	1 55 31.98	6.31	10 27 9.4	0 14.9	0.638 2133	1 3339	20 6.7
19	1 55 25.67	5.51	10 26 54.5	0 10.5	0.639 5472	1 3454	20 2.7
20	1 55 20.16	4.72	10 26 44.0	0 6.1	0.640 8926	1 3563	19 58.7
21	1 55 15.44	3.92	10 26 37.9	0 1.6	0.642 2489	1 3666	19 54.7
22	1 55 11.52	3.12	10 26 36.3	0 2.8	0.643 6155	1 3763	19 50.7
23	1 55 8.40	2.33	+10 26 39.1	0 7.2	0.644 9918	1 3854	19 46.7
24	1 55 6.07	1.54	10 26 46.3	0 11.5	0.646 3772	1 3939	19 42.8
25	1 55 4.53	0.74	10 26 57.8	0 15.9	0.647 7711	1 4018	19 38.8
26	1 55 3.79	0.06	10 27 13.7	0 20.4	0.649 1729	1 4094	19 34.9
27	1 55 3.85	0.85	10 27 34.1	0 24.7	0.650 5823	1 4163	19 30.9
28	1 55 4.70	1.64	10 27 58.8	0 29.0	0.651 9986	1 4228	19 27.0
29	1 55 6.34	2.43	+10 28 27.8	0 33.3	0.653 4214	1 4288	19 23.2
30	1 55 8.77	3.22	10 29 1.1	0 37.7	0.654 8502	1 4342	19 19.3
31	1 55 11.99	4.00	10 29 38.8	0 41.9	0.656 2844	1 4391	19 15.4
32	1 55 15.99		+10 30 20.7		0.657 7235		19 11.6

Tag	0h Welt-Zeit: Scheinbare Rektaszension		0h Welt-Zeit: Scheinbare Deklination		0h Welt-Zeit: log Δ		Obere Kulmination in Greenwich
1928	h m s	s	° ′ ″	″			h m
Jan. 0	16 48 44.62	28.31	−20 53 43.3	48.0	1.037 1955	2866	10 13.5
1	16 49 12.93	28.17	20 54 31.3	47.4	1.036 9089	2963	10 10.1
2	16 49 41.10	28.04	20 55 18.7	46.8	1.036 6126	3058	10 6.6
3	16 50 9.14	27.89	20 56 5.5	46.0	1.036 3068	3154	10 3.2
4	16 50 37.03	27.73	20 56 51.5	45.4	1.035 9914	3248	9 59.7
5	16 51 4.76	27.58	20 57 36.9	44.7	1.035 6666	3343	9 56.2
6	16 51 32.34	27.42	−20 58 21.6	44.0	1.035 3323	3436	9 52.8
7	16 51 59.76	27.26	20 59 5.6	43.3	1.034 9887	3529	9 49.3
8	16 52 27.02	27.08	20 59 48.9	42.6	1.034 6358	3621	9 45.8
9	16 52 54.10	26.92	21 0 31.5	42.0	1.034 2737	3713	9 42.3
10	16 53 21.02	26.74	21 1 13.5	41.3	1.033 9024	3805	9 38.8
11	16 53 47.76	26.56	21 1 54.8	40.6	1.033 5219	3895	9 35.3
12	16 54 14.32	26.37	−21 2 35.4	39.8	1.033 1324	3985	9 31.8
13	16 54 40.69	26.17	21 3 15.2	39.2	1.032 7339	4076	9 28.3
14	16 55 6.86	25.98	21 3 54.4	38.5	1.032 3263	4165	9 24.8
15	16 55 32.84	25.78	21 4 32.9	37.8	1.031 9098	4254	9 21.3
16	16 55 58.62	25.57	21 5 10.7	37.2	1.031 4844	4342	9 17.8
17	16 56 24.19	25.35	21 5 47.9	36.4	1.031 0502	4428	9 14.3
18	16 56 49.54	25.14	−21 6 24.3	35.7	1.030 6074	4515	9 10.8
19	16 57 14.68	24.91	21 7 0.0	35.0	1.030 1559	4601	9 7.3
20	16 57 39.59	24.68	21 7 35.0	34.4	1.029 6958	4686	9 3.7
21	16 58 4.27	24.44	21 8 9.4	33.6	1.029 2272	4769	9 0.2
22	16 58 28.71	24.21	21 8 43.0	32.9	1.028 7503	4852	8 56.7
23	16 58 52.92	23.97	21 9 15.9	32.2	1.028 2651	4934	8 53.2
24	16 59 16.89	23.72	−21 9 48.1	31.6	1.027 7717	5015	8 49.7
25	16 59 40.61	23.45	21 10 19.7	30.8	1.027 2702	5094	8 46.1
26	17 0 4.06	23.20	21 10 50.5	30.2	1.026 7608	5173	8 42.6
27	17 0 27.26	22.94	21 11 20.7	29.4	1.026 2435	5250	8 39.0
28	17 0 50.20	22.66	21 11 50.1	28.8	1.025 7185	5326	8 35.5
29	17 1 12.86	22.39	21 12 18.9	28.1	1.025 1859	5401	8 31.9
30	17 1 35.25	22.12	−21 12 47.0	27.4	1.024 6458	5474	8 28.3
31	17 1 57.37	21.83	21 13 14.4	26.7	1.024 0984	5547	8 24.8
Febr. 1	17 2 19.20	21.55	21 13 41.1	26.0	1.023 5437	5618	8 21.2
2	17 2 40.75	21.26	21 14 7.1	25.4	1.022 9819	5688	8 17.6
3	17 3 2.01	20.96	21 14 32.5	24.7	1.022 4131	5757	8 14.0
4	17 3 22.97	20.66	21 14 57.2	24.0	1.021 8374	5826	8 10.5
5	17 3 43.63	20.36	−21 15 21.2	23.3	1.021 2548	5893	8 6.9
6	17 4 3.99	20.06	21 15 44.5	22.7	1.020 6655	5958	8 3.3
7	17 4 24.05	19.75	21 16 7.2	22.0	1.020 0697	6023	7 59.7
8	17 4 43.80	19.43	21 16 29.2	21.4	1.019 4674	6087	7 56.1
9	17 5 3.23	19.12	21 16 50.6	20.8	1.018 8587	6149	7 52.5
10	17 5 22.35		−21 17 11.4		1.018 2438		7 48.8

Tag	0h Welt-Zeit: Scheinbare Rektaszension		0h Welt-Zeit: Scheinbare Deklination		0h Welt-Zeit: log Δ		Obere Kulmination in Greenwich
1928	h m s	s	° ′ ″	″			h m
Febr. 10	17 5 22.35	18.80	−21 17 11.4	20.1	1.018 2438	6209	7 48.8
11	17 5 41.15	18.47	21 17 31.5	19.4	1.017 6229	6269	7 45.2
12	17 5 59.62	18.14	21 17 50.9	18.8	1.016 9960	6328	7 41.6
13	17 6 17.76	17.80	21 18 9.7	18.2	1.016 3632	6385	7 38.0
14	17 6 35.56	17.46	21 18 27.9	17.6	1.015 7247	6441	7 34.3
15	17 6 53.02	17.12	21 18 45.5	16.9	1.015 0806	6496	7 30.7
16	17 7 10.14	16.77	−21 19 2.4	16.2	1.014 4310	6548	7 27.0
17	17 7 26.91	16.41	21 19 18.6	15.6	1.013 7762	6599	7 23.4
18	17 7 43.32	16.07	21 19 34.2	15.0	1.013 1163	6649	7 19.7
19	17 7 59.39	15.71	21 19 49.2	14.4	1.012 4514	6697	7 16.0
20	17 8 15.10	15.34	21 20 3.6	13.8	1.011 7817	6743	7 12.3
21	17 8 30.44	14.96	21 20 17.4	13.2	1.011 1074	6789	7 8.7
22	17 8 45.40	14.59	−21 20 30.6	12.6	1.010 4285	6831	7 5.0
23	17 8 59.99	14.22	21 20 43.2	12.0	1.009 7454	6872	7 1.3
24	17 9 14.21	13.84	21 20 55.2	11.3	1.009 0582	6911	6 57.6
25	17 9 28.05	13.46	21 21 6.5	10.8	1.008 3671	6948	6 53.9
26	17 9 41.51	13.08	21 21 17.3	10.2	1.007 6723	6984	6 50.2
27	17 9 54.59	12.68	21 21 27.5	9.6	1.006 9739	7018	6 46.5
28	17 10 7.27	12.30	−21 21 37.1	9.0	1.006 2721	7049	6 42.8
29	17 10 19.57	11.91	21 21 46.1	8.4	1.005 5672	7079	6 39.0
März 1	17 10 31.48	11.51	21 21 54.5	7.9	1.004 8593	7108	6 35.3
2	17 10 42.99	11.12	21 22 2.4	7.3	1.004 1485	7134	6 31.6
3	17 10 54.11	10.72	21 22 9.7	6.7	1.003 4351	7160	6 27.8
4	17 11 4.83	10.31	21 22 16.4	6.3	1.002 7191	7182	6 24.1
5	17 11 15.14	9.91	−21 22 22.7	5.7	1.002 0009	7202	6 20.3
6	17 11 25.05	9.51	21 22 28.4	5.1	1.001 2807	7221	6 16.5
7	17 11 34.56	9.10	21 22 33.5	4.6	1.000 5586	7238	6 12.7
8	17 11 43.66	8.69	21 22 38.1	4.1	0.999 8348	7255	6 8.9
9	17 11 52.35	8.28	21 22 42.2	3.5	0.999 1093	7269	6 5.2
10	17 12 0.63	7.87	21 22 45.7	3.0	0.998 3824	7280	6 1.4
11	17 12 8.50	7.45	−21 22 48.7	2.5	0.997 6544	7290	5 57.6
12	17 12 15.95	7.03	21 22 51.2	1.9	0.996 9254	7299	5 53.8
13	17 12 22.98	6.61	21 22 53.1	1.5	0.996 1955	7303	5 49.9
14	17 12 29.59	6.19	21 22 54.6	1.0	0.995 4652	7307	5 46.1
15	17 12 35.78	5.77	21 22 55.6	0.5	0.994 7345	7309	5 42.3
16	17 12 41.55	5.35	21 22 56.1	0.1	0.994 0036	7308	5 38.5
17	17 12 46.90	4.91	−21 22 56.0	0.5	0.993 2728	7305	5 34.6
18	17 12 51.81	4.49	21 22 55.5	1.1	0.992 5423	7300	5 30.8
19	17 12 56.30	4.05	21 22 54.4	1.5	0.991 8123	7293	5 26.9
20	17 13 0.35	3.63	21 22 52.9	2.0	0.991 0830	7284	5 23.0
21	17 13 3.98	3.19	21 22 50.9	2.5	0.990 3546	7273	5 19.1
22	17 13 7.17		−21 22 48.4		0.989 6273		5 15.3

Saturn 1928

Tag	0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1928	h m s	s	° ′ ″	″			h m
März 22	17 13 7.17	2.76	−21 22 48.4	3.0	0.989 6273	7258	5 15.3
23	17 13 9.93	2.33	21 22 45.4	3.5	0.988 9015	7241	5 11.4
24	17 13 12.26	1.91	21 22 41.9	3.9	0.988 1774	7221	5 7.5
25	17 13 14.17	1.47	21 22 38.0	4.4	0.987 4553	7199	5 3.6
26	17 13 15.64	1.04	21 22 33.6	4.9	0.986 7354	7175	4 59.7
27	17 13 16.68	0.61	21 22 28.7	5.3	0.986 0179	7148	4 55.8
28	17 13 17.29	0.18	−21 22 23.4	5.7	0.985 3031	7119	4 51.9
29	17 13 17.47	0.25	21 22 17.7	6.2	0.984 5912	7088	4 47.9
30	17 13 17.22	0.67	21 22 11.5	6.6	0.983 8824	7054	4 44.0
31	17 13 16.55	1.10	21 22 4.9	7.1	0.983 1770	7019	4 40.0
April 1	17 13 15.45	1.52	21 21 57.8	7.5	0.982 4751	6982	4 36.1
2	17 13 13.93	1.95	21 21 50.3	7.9	0.981 7769	6943	4 32.1
3	17 13 11.98	2.36	−21 21 42.4	8.3	0.981 0826	6900	4 28.2
4	17 13 9.62	2.78	21 21 34.1	8.7	0.980 3926	6856	4 24.2
5	17 13 6.84	3.20	21 21 25.4	9.2	0.979 7070	6810	4 20.2
6	17 13 3.64	3.62	21 21 16.2	9.5	0.979 0260	6760	4 16.2
7	17 13 0.02	4.03	21 21 6.7	10.0	0.978 3500	6708	4 12.2
8	17 12 55.99	4.44	21 20 56.7	10.5	0.977 6792	6656	4 8.2
9	17 12 51.55	4.86	−21 20 46.2	10.8	0.977 0136	6600	4 4.2
10	17 12 46.69	5.26	21 20 35.4	11.1	0.976 3536	6542	4 0.2
11	17 12 41.43	5.66	21 20 24.3	11.5	0.975 6994	6483	3 56.2
12	17 12 35.77	6.07	21 20 12.8	12.0	0.975 0511	6420	3 52.2
13	17 12 29.70	6.47	21 20 0.8	12.4	0.974 4091	6355	3 48.1
14	17 12 23.23	6.87	21 19 48.4	12.7	0.973 7736	6287	3 44.1
15	17 12 16.36	7.27	−21 19 35.7	13.1	0.973 1449	6218	3 40.1
16	17 12 9.09	7.66	21 19 22.6	13.5	0.972 5231	6145	3 36.0
17	17 12 1.43	8.05	21 19 9.1	13.9	0.971 9086	6071	3 31.9
18	17 11 53.38	8.43	21 18 55.2	14.2	0.971 3015	5994	3 27.9
19	17 11 44.95	8.81	21 18 41.0	14.7	0.970 7021	5914	3 23.8
20	17 11 36.14	9.19	21 18 26.3	15.0	0.970 1107	5832	3 19.7
21	17 11 26.95	9.55	−21 18 11.3	15.3	0.969 5275	5747	3 15.6
22	17 11 17.40	9.92	21 17 56.0	15.7	0.968 9528	5660	3 11.5
23	17 11 7.48	10.28	21 17 40.3	16.0	0.968 3868	5570	3 7.5
24	17 10 57.20	10.64	21 17 24.3	16.3	0.967 8298	5479	3 3.4
25	17 10 46.56	10.99	21 17 8.0	16.7	0.967 2819	5386	2 59.3
26	17 10 35.57	11.32	21 16 51.3	16.9	0.966 7433	5291	2 55.1
27	17 10 24.25	11.66	−21 16 34.4	17.3	0.966 2142	5193	2 51.0
28	17 10 12.59	11.99	21 16 17.1	17.7	0.965 6949	5095	2 46.9
29	17 10 0.60	12.32	21 15 59.4	17.9	0.965 1854	4993	2 42.8
30	17 9 48.28	12.64	21 15 41.5	18.2	0.964 6861	4889	2 38.6
Mai 1	17 9 35.64	12.94	21 15 23.3	18.5	0.964 1972	4785	2 34.5
2	17 9 22.70		−21 15 4.8		0.963 7187		2 30.3

Tag	0h Welt-Zeit: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1928	h m s	s	° ′ ″	″			h m
Mai 2	17 9 22.70	13.25	−21 15 4.8	18.8	0.963 7187	4679	2 30.3
3	17 9 9.45	13.55	21 14 46.0	19.1	0.963 2508	4570	2 26.1
4	17 8 55.90	13.84	21 14 26.9	19.3	0.962 7938	4460	2 22.0
5	17 8 42.06	14.13	21 14 7.6	19.7	0.962 3478	4348	2 17.8
6	17 8 27.93	14.41	21 13 47.9	19.9	0.961 9130	4235	2 13.7
7	17 8 13.52	14.68	21 13 28.0	20.2	0.961 4895	4120	2 9.5
8	17 7 58.84	14.95	−21 13 7.8	20.4	0.961 0775	4003	2 5.3
9	17 7 43.89	15.21	21 12 47.4	20.7	0.960 6772	3884	2 1.2
10	17 7 28.68	15.46	21 12 26.7	20.9	0.960 2888	3764	1 57.0
11	17 7 13.22	15.71	21 12 5.8	21.1	0.959 9124	3641	1 52.8
12	17 6 57.51	15.94	21 11 44.7	21.3	0.959 5483	3517	1 48.6
13	17 6 41.57	16.17	21 11 23.4	21.6	0.959 1966	3392	1 44.4
14	17 6 25.40	16.40	−21 11 1.8	21.9	0.958 8574	3264	1 40.2
15	17 6 9.00	16.61	21 10 39.9	22.1	0.958 5310	3136	1 36.0
16	17 5 52.39	16.82	21 10 17.8	22.2	0.958 2174	3006	1 31.8
17	17 5 35.57	17.01	21 9 55.6	22.4	0.957 9168	2874	1 27.6
18	17 5 18.56	17.19	21 9 33.2	22.5	0.957 6294	2742	1 23.3
19	17 5 1.37	17.38	21 9 10.7	22.8	0.957 3552	2608	1 19.1
20	17 4 43.99	17.55	−21 8 47.9	22.9	0.957 0944	2473	1 14.9
21	17 4 26.44	17.70	21 8 25.0	23.1	0.956 8471	2336	1 10.7
22	17 4 8.74	17.85	21 8 1.9	23.2	0.956 6135	2199	1 6.5
23	17 3 50.89	17.99	21 7 38.7	23.3	0.956 3936	2060	1 2.2
24	17 3 32.90	18.13	21 7 15.4	23.4	0.956 1876	1920	0 58.0
25	17 3 14.77	18.25	21 6 52.0	23.5	0.955 9956	1781	0 53.8
26	17 2 56.52	18.35	−21 6 28.5	23.6	0.955 8175	1641	0 49.5
27	17 2 38.17	18.46	21 6 4.9	23.6	0.955 6534	1499	0 45.3
28	17 2 19.71	18.54	21 5 41.3	23.6	0.955 5035	1359	0 41.1
29	17 2 1.17	18.63	21 5 17.7	23.8	0.955 3676	1217	0 36.8
30	17 1 42.54	18.71	21 4 53.9	23.8	0.955 2459	1074	0 32.6
31	17 1 23.83	18.77	21 4 30.1	23.8	0.955 1385	932	0 28.3
Juni 1	17 1 5.06	18.83	−21 4 6.3	23.8	0.955 0453	790	0 24.1
2	17 0 46.23	18.87	21 3 42.5	23.9	0.954 9663	646	0 19.9
3	17 0 27.36	18.91	21 3 18.6	23.9	0.954 9017	504	0 15.6
4	17 0 8.45	18.93	21 2 54.7	23.8	0.954 8513	360	0 11.4
5	16 59 49.52	18.96	21 2 30.9	23.8	0.954 8153	216	0 7.1
6	16 59 30.56	18.96	21 2 7.1	23.7	0.954 7937	74	{0 2.9 / 23 58.6}
7	16 59 11.60	18.96	−21 1 43.4	23.7	0.954 7863	70	23 54.4
8	16 58 52.64	18.96	21 1 19.7	23.6	0.954 7933	213	23 50.1
9	16 58 33.68	18.93	21 0 56.1	23.6	0.954 8146	357	23 45.9
10	16 58 14.75	18.91	21 0 32.5	23.4	0.954 8503	501	23 41.6
11	16 57 55.84	18.88	21 0 9.1	23.3	0.954 9004	645	23 37.4
12	16 57 36.96		−20 59 45.8		0.954 9649		23 33.2

Tag		0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1928		h m s	s	° ′ ″	″			h m
Juni	12	16 57 36.96	18.83	−20 59 45.8	23.2	0.954 9649	788	23 33.2
	13	16 57 18.13	18.76	20 59 22.6	23.0	0.955 0437	931	23 28.9
	14	16 56 59.37	18.70	20 58 59.6	22.9	0.955 1368	1075	23 24.7
	15	16 56 40.67	18.64	20 58 36.7	22.8	0.955 2443	1217	23 20.4
	16	16 56 22.03	18.54	20 58 13.9	22.5	0.955 3660	1359	23 16.2
	17	16 56 3.49	18.44	20 57 51.4	22.4	0.955 5019	1501	23 12.0
	18	16 55 45.05	18.34	−20 57 29.0	22.1	0.955 6520	1642	23 7.7
	19	16 55 26.71	18.23	20 57 6.9	21.9	0.955 8162	1781	23 3.5
	20	16 55 8.48	18.10	20 56 45.0	21.6	0.955 9943	1919	22 59.2
	21	16 54 50.38	17.97	20 56 23.4	21.3	0.956 1862	2058	22 55.0
	22	16 54 32.41	17.82	20 56 2.1	21.1	0.956 3920	2194	22 50.8
	23	16 54 14.59	17.67	20 55 41.0	20.8	0.956 6114	2330	22 46.6
	24	16 53 56.92	17.51	−20 55 20.2	20.5	0.956 8444	2464	22 42.3
	25	16 53 39.41	17.34	20 54 59.7	20.1	0.957 0908	2597	22 38.1
	26	16 53 22.07	17.16	20 54 39.6	19.7	0.957 3505	2729	22 33.9
	27	16 53 4.91	16.97	20 54 19.9	19.3	0.957 6234	2860	22 29.7
	28	16 52 47.94	16.78	20 54 0.6	19.0	0.957 9094	2988	22 25.5
	29	16 52 31.16	16.58	20 53 41.6	18.7	0.958 2082	3116	22 21.3
	30	16 52 14.58	16.37	−20 53 22.9	18.3	0.958 5198	3242	22 17.1
Juli	1	16 51 58.21	16.15	20 53 4.6	17.8	0.958 8440	3367	22 12.9
	2	16 51 42.06	15.93	20 52 46.8	17.4	0.959 1807	3491	22 8.7
	3	16 51 26.13	15.70	20 52 29.4	16.9	0.959 5298	3612	22 4.5
	4	16 51 10.43	15.46	20 52 12.5	16.5	0.959 8910	3733	22 0.3
	5	16 50 54.97	15.22	20 51 56.0	16.0	0.960 2643	3852	21 56.1
	6	16 50 39.75	14.96	−20 51 40.0	15.5	0.960 6495	3969	21 51.9
	7	16 50 24.79	14.70	20 51 24.5	15.1	0.961 0464	4084	21 47.8
	8	16 50 10.09	14.44	20 51 9.4	14.6	0.961 4548	4198	21 43.6
	9	16 49 55.65	14.17	20 50 54.8	14.1	0.961 8746	4311	21 39.4
	10	16 49 41.48	13.89	20 50 40.7	13.5	0.962 3057	4423	21 35.3
	11	16 49 27.59	13.60	20 50 27.2	13.0	0.962 7480	4532	21 31.1
	12	16 49 13.99	13.31	−20 50 14.2	12.5	0.963 2012	4640	21 26.9
	13	16 49 0.68	13.02	20 50 1.7	11.9	0.963 6652	4746	21 22.8
	14	16 48 47.66	12.71	20 49 49.8	11.3	0.964 1398	4850	21 18.7
	15	16 48 34.95	12.39	20 49 38.5	10.6	0.964 6248	4952	21 14.5
	16	16 48 22.56	12.07	20 49 27.9	10.0	0.965 1200	5052	21 10.4
	17	16 48 10.49	11.75	20 49 17.9	9.4	0.965 6252	5150	21 6.3
	18	16 47 58.74	11.42	−20 49 8.5	8.8	0.966 1402	5245	21 2.1
	19	16 47 47.32	11.08	20 48 59.7	8.2	0.966 6647	5339	20 58.0
	20	16 47 36.24	10.74	20 48 51.5	7.5	0.967 1986	5430	20 53.9
	21	16 47 25.50	10.40	20 48 44.0	6.8	0.967 7416	5518	20 49.8
	22	16 47 15.10	10.05	20 48 37.2	6.2	0.968 2934	5605	20 45.7
	23	16 47 5.05		−20 48 31.0		0.968 8539		20 41.6

Tag		0ʰ Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1928								
Juli	23	16ʰ 47ᵐ 5ˢ.05	9ˢ.69	−20° 48′ 31″.0	5″.4	0.968 8539	5690	20ʰ 41ᵐ.6
	24	16 46 55.36	9.33	20 48 25.6	4.8	0.969 4229	5771	20 37.6
	25	16 46 46.03	8.98	20 48 20.8	4.1	0.970 0000	5851	20 33.5
	26	16 46 37.05	8.61	20 48 16.7	3.4	0.970 5851	5928	20 29.4
	27	16 46 28.44	8.24	20 48 13.3	2.6	0.971 1779	6004	20 25.3
	28	16 46 20.20	7.87	20 48 10.7	2.0	0.971 7783	6077	20 21.2
	29	16 46 12.33	7.49	−20 48 8.7	1.3	0.972 3860	6147	20 17.2
	30	16 46 4.84	7.11	20 48 7.4	0.6	0.973 0007	6217	20 13.1
	31	16 45 57.73	6.73	20 48 6.8	0.2	0.973 6224	6284	20 9.1
Aug.	1	16 45 51.00	6.35	20 48 7.0	0.9	0.974 2508	6348	20 5.1
	2	16 45 44.65	5.96	20 48 7.9	1.6	0.974 8856	6410	20 1.0
	3	16 45 38.69	5.57	20 48 9.5	2.4	0.975 5266	6469	19 57.0
	4	16 45 33.12	5.18	−20 48 11.9	3.2	0.976 1735	6527	19 53.0
	5	16 45 27.94	4.79	20 48 15.1	3.8	0.976 8262	6582	19 49.0
	6	16 45 23.15	4.39	20 48 18.9	4.6	0.977 4844	6636	19 45.0
	7	16 45 18.76	4.00	20 48 23.5	5.4	0.978 1480	6688	19 41.0
	8	16 45 14.76	3.60	20 48 28.9	6.1	0.978 8168	6737	19 37.0
	9	16 45 11.16	3.19	20 48 35.0	6.8	0.979 4905	6785	19 33.0
	10	16 45 7.97	2.79	−20 48 41.8	7.6	0.980 1690	6831	19 29.0
	11	16 45 5.18	2.38	20 48 49.4	8.4	0.980 8521	6873	19 25.0
	12	16 45 2.80	1.97	20 48 57.8	9.2	0.981 5394	6914	19 21.0
	13	16 45 0.83	1.56	20 49 7.0	9.9	0.982 2308	6953	19 17.1
	14	16 44 59.27	1.15	20 49 16.9	10.6	0.982 9261	6989	19 13.1
	15	16 44 58.12	0.74	20 49 27.5	11.5	0.983 6250	7022	19 9.2
	16	16 44 57.38	0.32	−20 49 39.0	12.2	0.984 3272	7053	19 5.3
	17	16 44 57.06	0.10	20 49 51.2	13.0	0.985 0325	7083	19 1.3
	18	16 44 57.16	0.50	20 50 4.2	13.8	0.985 7408	7109	18 57.4
	19	16 44 57.66	0.92	20 50 18.0	14.5	0.986 4517	7132	18 53.5
	20	16 44 58.58	1.34	20 50 32.5	15.2	0.987 1649	7154	18 49.6
	21	16 44 59.92	1.76	20 50 47.7	16.0	0.987 8803	7173	18 45.7
	22	16 45 1.68	2.16	−20 51 3.7	16.8	0.988 5976	7190	18 41.8
	23	16 45 3.84	2.58	20 51 20.5	17.4	0.989 3166	7206	18 37.9
	24	16 45 6.42	2.99	20 51 37.9	18.2	0.990 0372	7219	18 34.0
	25	16 45 9.41	3.41	20 51 56.1	19.0	0.990 7591	7229	18 30.1
	26	16 45 12.82	3.82	20 52 15.1	19.6	0.991 4820	7239	18 26.3
	27	16 45 16.64	4.23	20 52 34.7	20.4	0.992 2059	7245	18 22.4
	28	16 45 20.87	4.64	−20 52 55.1	21.0	0.992 9304	7250	18 18.5
	29	16 45 25.51	5.05	20 53 16.1	21.8	0.993 6554	7253	18 14.7
	30	16 45 30.56	5.45	20 53 37.9	22.5	0.994 3807	7254	18 10.8
	31	16 45 36.01	5.86	20 54 0.4	23.2	0.995 1061	7253	18 7.0
Sept.	1	16 45 41.87	6.26	20 54 23.6	23.8	0.995 8314	7250	18 3.2
	2	16 45 48.13		−20 54 47.4		0.996 5564		17 59.4

Tag	0h Welt Zeit: Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1928	h m s	s	° ′ ″	″			h m
Sept. 2	16 45 48.13	6.66	−20 54 47.4	24.5	0.996 5564	7245	17 59.4
3	16 45 54.79	7.06	20 55 11.9	25.2	0.997 2809	7239	17 55.5
4	16 46 1.85	7.47	20 55 37.1	25.8	0.998 0048	7231	17 51.7
5	16 46 9.32	7.87	20 56 2.9	26.4	0.998 7279	7222	17 47.9
6	16 46 17.19	8.27	20 56 29.3	27.1	0.999 4501	7209	17 44.1
7	16 46 25.46	8.67	20 56 56.4	27.8	1.000 1710	7196	17 40.3
8	16 46 34.13	9.07	−20 57 24.2	28.4	1.000 8906	7180	17 36.6
9	16 46 43.20	9.46	20 57 52.6	29.0	1.001 6086	7162	17 32.8
10	16 46 52.66	9.85	20 58 21.6	29.6	1.002 3248	7143	17 29.0
11	16 47 2.51	10.24	20 58 51.2	30.1	1.003 0391	7121	17 25.2
12	16 47 12.75	10.63	20 59 21.3	30.8	1.003 7512	7097	17 21.5
13	16 47 23.38	11.02	20 59 52.1	31.3	1.004 4609	7072	17 17.7
14	16 47 34.40	11.41	−21 0 23.4	31.9	1.005 1681	7046	17 14.0
15	16 47 45.81	11.80	21 0 55.3	32.5	1.005 8727	7017	17 10.3
16	16 47 57.61	12.17	21 1 27.8	33.1	1.006 5744	6986	17 6.5
17	16 48 9.78	12.55	21 2 0.9	33.6	1.007 2730	6953	17 2.8
18	16 48 22.33	12.92	21 2 34.5	34.1	1.007 9683	6918	16 59.1
19	16 48 35.25	13.29	21 3 8.6	34.6	1.008 6601	6882	16 55.4
20	16 48 48.54	13.66	−21 3 43.2	35.1	1.009 3483	6844	16 51.7
21	16 49 2.20	14.03	21 4 18.3	35.5	1.010 0327	6806	16 48.0
22	16 49 16.23	14.39	21 4 53.8	36.0	1.010 7133	6764	16 44.3
23	16 49 30.62	14.75	21 5 29.8	36.5	1.011 3897	6721	16 40.6
24	16 49 45.37	15.10	21 6 6.3	36.9	1.012 0618	6679	16 36.9
25	16 50 0.47	15.45	21 6 43.2	37.3	1.012 7297	6633	16 33.2
26	16 50 15.92	15.80	−21 7 20.5	37.8	1.013 3930	6586	16 29.5
27	16 50 31.72	16.15	21 7 58.3	38.1	1.014 0516	6538	16 25.9
28	16 50 47.87	16.49	21 8 36.4	38.5	1.014 7054	6489	16 22.2
29	16 51 4.36	16.82	21 9 14.9	38.9	1.015 3543	6437	16 18.6
30	16 51 21.18	17.16	21 9 53.8	39.3	1.015 9980	6386	16 14.9
Okt. 1	16 51 38.34	17.49	21 10 33.1	39.5	1.016 6366	6333	16 11.3
2	16 51 55.83	17.82	−21 11 12.6	39.9	1.017 2699	6279	16 7.6
3	16 52 13.65	18.15	21 11 52.5	40.3	1.017 8978	6224	16 4.0
4	16 52 31.80	18.48	21 12 32.8	40.5	1.018 5202	6167	16 0.4
5	16 52 50.28	18.79	21 13 13.3	40.9	1.019 1369	6109	15 56.8
6	16 53 9.07	19.11	21 13 54.2	41.1	1.019 7478	6049	15 53.1
7	16 53 28.18	19.43	21 14 35.3	41.4	1.020 3527	5989	15 49.5
8	16 53 47.61	19.74	−21 15 16.7	41.6	1.020 9516	5926	15 45.9
9	16 54 7.35	20.04	21 15 58.3	41.9	1.021 5442	5863	15 42.3
10	16 54 27.39	20.34	21 16 40.2	42.1	1.022 1305	5798	15 38.7
11	16 54 47.73	20.64	21 17 22.3	42.3	1.022 7103	5731	15 35.1
12	16 55 8.37	20.94	21 18 4.6	42.6	1.023 2834	5664	15 31.5
13	16 55 29.31		−21 18 47.2		1.023 8498		15 27.9

Tag	0ʰ Welt-Zeit: Scheinbare Rektaszension	Diff.	Scheinbare Deklination	Diff.	log Δ	Diff.	Obere Kulmination in Greenwich
1928	h m s	s	° ′ ″	″			h m
Okt. 13	16 55 29.31	21.23	−21 18 47.2	42.8	1.023 8498	5595	15 27.9
14	16 55 50.54	21.52	21 19 30.0	42.9	1.024 4093	5525	15 24.4
15	16 56 12.06	21.80	21 20 12.9	43.0	1.024 9618	5454	15 20.8
16	16 56 33.86	22.09	21 20 55.9	43.2	1.025 5072	5382	15 17.2
17	16 56 55.95	22.36	21 21 39.1	43.3	1.026 0454	5308	15 13.7
18	16 57 18.31	22.63	21 22 22.4	43.4	1.026 5762	5234	15 10.1
19	16 57 40.94	22.89	−21 23 5.8	43.6	1.027 0996	5159	15 6.6
20	16 58 3.83	23.16	21 23 49.4	43.6	1.027 6155	5082	15 3.0
21	16 58 26.99	23.41	21 24 33.0	43.6	1.028 1237	5004	14 59.5
22	16 58 50.40	23.66	21 25 16.6	43.7	1.028 6241	4926	14 55.9
23	16 59 14.06	23.91	21 26 0.3	43.8	1.029 1167	4847	14 52.4
24	16 59 37.97	24.16	21 26 44.1	43.7	1.029 6014	4767	14 48.8
25	17 0 2.13	24.40	−21 27 27.8	43.7	1.030 0781	4687	14 45.3
26	17 0 26.53	24.62	21 28 11.5	43.7	1.030 5468	4606	14 41.8
27	17 0 51.15	24.85	21 28 55.2	43.8	1.031 0074	4524	14 38.3
28	17 1 16.00	25.08	21 29 39.0	43.8	1.031 4598	4441	14 34.8
29	17 1 41.08	25.31	21 30 22.8	43.6	1.031 9039	4358	14 31.3
30	17 2 6.39	25.53	21 31 6.4	43.6	1.032 3397	4273	14 27.8
31	17 2 31.92	25.74	−21 31 50.0	43.6	1.032 7670	4187	14 24.3
Nov. 1	17 2 57.66	25.95	21 32 33.6	43.5	1.033 1857	4101	14 20.8
2	17 3 23.61	26.15	21 33 17.1	43.4	1.033 5958	4015	14 17.2
3	17 3 49.76	26.36	21 34 0.5	43.2	1.033 9973	3928	14 13.7
4	17 4 16.12	26.56	21 34 43.7	43.2	1.034 3901	3841	14 10.2
5	17 4 42.68	26.75	21 35 26.9	43.0	1.034 7742	3752	14 6.8
6	17 5 9.43	26.94	−21 36 9.9	42.9	1.035 1494	3662	14 3.3
7	17 5 36.37	27.13	21 36 52.8	42.8	1.035 5156	3571	13 59.8
8	17 6 3.50	27.30	21 37 35.6	42.6	1.035 8727	3480	13 56.3
9	17 6 30.80	27.48	21 38 18.2	42.4	1.036 2207	3389	13 52.8
10	17 6 58.28	27.65	21 39 0.6	42.2	1.036 5596	3295	13 49.3
11	17 7 25.93	27.82	21 39 42.8	42.1	1.036 8891	3201	13 45.9
12	17 7 53.75	27.99	−21 40 24.9	41.8	1.037 2092	3106	13 42.4
13	17 8 21.74	28.14	21 41 6.7	41.6	1.037 5198	3012	13 39.0
14	17 8 49.88	28.29	21 41 48.3	41.3	1.037 8210	2917	13 35.5
15	17 9 18.17	28.43	21 42 29.6	41.1	1.038 1127	2821	13 32.0
16	17 9 46.60	28.58	21 43 10.7	40.9	1.038 3948	2726	13 28.6
17	17 10 15.18	28.71	21 43 51.6	40.5	1.038 6674	2629	13 25.1
18	17 10 43.89	28.84	−21 44 32.1	40.3	1.038 9303	2532	13 21.7
19	17 11 12.73	28.97	21 45 12.4	40.1	1.039 1835	2434	13 18.2
20	17 11 41.70	29.09	21 45 52.5	39.7	1.039 4269	2336	13 14.8
21	17 12 10.79	29.21	21 46 32.2	39.3	1.039 6605	2237	13 11.3
22	17 12 40.00	29.31	21 47 11.5	39.1	1.039 8842	2140	13 7.8
23	17 13 9.31		−21 47 50.6		1.040 0982		13 4.4

Tag	0ʰ Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1928	h m s	s	° ′ ″	″			h m
Nov. 23	17 13 9.31	29.42	−21 47 50.6	38.7	1.040 0982	2042	13 4.4
24	17 13 38.73	29.52	21 48 29.3	38.4	1.040 3024	1943	13 1.0
25	17 14 8.25	29.62	21 49 7.7	38.1	1.040 4967	1845	12 57.5
26	17 14 37.87	29.71	21 49 45.8	37.7	1.040 6812	1745	12 54.1
27	17 15 7.58	29.80	21 50 23.5	37.3	1.040 8557	1645	12 50.7
28	17 15 37.38	29.88	21 51 0.8	37.0	1.041 0202	1543	12 47.2
29	17 16 7.26	29.96	−21 51 37.8	36.6	1.041 1745	1443	12 43.8
30	17 16 37.22	30.04	21 52 14.4	36.1	1.041 3188	1343	12 40.3
Dez. 1	17 17 7.26	30.10	21 52 50.5	35.8	1.041 4531	1242	12 36.9
2	17 17 37.36	30.17	21 53 26.3	35.4	1.041 5773	1141	12 33.5
3	17 18 7.53	30.23	21 54 1.7	35.0	1.041 6914	1040	12 30.0
4	17 18 37.76	30.29	21 54 36.7	34.6	1.041 7954	939	12 26.6
5	17 19 8.05	30.33	−21 55 11.3	34.1	1.041 8893	836	12 23.2
6	17 19 38.38	30.39	21 55 45.4	33.7	1.041 9729	734	12 19.8
7	17 20 8.77	30.43	21 56 19.1	33.4	1.042 0463	632	12 16.3
8	17 20 39.20	30.46	21 56 52.5	32.9	1.042 1095	529	12 12.9
9	17 21 9.66	30.49	21 57 25.4	32.5	1.042 1624	425	12 9.5
10	17 21 40.15	30.52	21 57 57.9	31.9	1.042 2049	322	12 6.0
11	17 22 10.67	30.54	−21 58 29.8	31.5	1.042 2371	220	12 2.6
12	17 22 41.21	30.54	21 59 1.3	31.1	1.042 2591	116	11 59.2
13	17 23 11.75	30.56	21 59 32.4	30.5	1.042 2707	13	11 55.8
14	17 23 42.31	30.56	22 0 2.9	30.1	1.042 2720	91	11 52.3
15	17 24 12.87	30.56	22 0 33.0	29.7	1.042 2629	195	11 48.9
16	17 24 43.43	30.55	22 1 2.7	29.2	1.042 2434	299	11 45.5
17	17 25 13.98	30.54	−22 1 31.9	28.7	1.042 2135	402	11 42.1
18	17 25 44.52	30.52	22 2 0.6	28.1	1.042 1733	505	11 38.6
19	17 26 15.04	30.49	22 2 28.7	27.7	1.042 1228	608	11 35.2
20	17 26 45.53	30.47	22 2 56.4	27.2	1.042 0620	711	11 31.8
21	17 27 16.00	30.44	22 3 23.6	26.7	1.041 9909	814	11 28.4
22	17 27 46.44	30.40	22 3 50.3	26.2	1.041 9095	915	11 24.9
23	17 28 16.84	30.35	−22 4 16.5	25.7	1.041 8180	1017	11 21.5
24	17 28 47.19	30.30	22 4 42.2	25.2	1.041 7163	1119	11 18.1
25	17 29 17.49	30.25	22 5 7.4	24.7	1.041 6044	1221	11 14.6
26	17 29 47.74	30.20	22 5 32.1	24.2	1.041 4823	1321	11 11.2
27	17 30 17.94	30.13	22 5 56.3	23.7	1.041 3502	1423	11 7.8
28	17 30 48.07	30.07	22 6 20.0	23.1	1.041 2079	1524	11 4.3
29	17 31 18.14	30.00	−22 6 43.1	22.7	1.041 0555	1625	11 0.9
30	17 31 48.14	29.92	22 7 5.8	22.2	1.040 8930	1725	10 57.5
31	17 32 18.06	29.84	22 7 28.0	21.7	1.040 7205	1827	10 54.0
32	17 32 47.90		−22 7 49.7		1.040 5378		10 50.6

Tag	0h Welt-Zeit: Scheinbare Rektaszension		0h Welt-Zeit: Scheinbare Deklination		0h Welt-Zeit: log Δ		Obere Kulmination in Greenwich
1928	h m s	s	° ′ ″	′ ″			h m
Jan. −2	23 59 52.79	15.69	−0 48 25.5	1 52.5	1.304 6475	1 4672	17 31.3
+2	0 0 8.48	18.58	0 46 33.0	2 11.0	1.306 1147	1 4431	17 15.8
6	0 0 27.06	21.38	0 44 22.0	2 29.1	1.307 5578	1 4129	17 0.4
10	0 0 48.44	24.09	0 41 52.9	2 46.5	1.308 9707	1 3768	16 45.0
14	0 1 12.53	26.74	0 39 6.4	3 3.4	1.310 3475	1 3347	16 29.7
18	0 1 39.27	29.29	0 36 3.0	3 19.6	1.311 6822	1 2866	16 14.4
22	0 2 8.56	31.71	−0 32 43.4	3 35.0	1.312 9688	1 2327	15 59.2
26	0 2 40.27	34.01	0 29 8.4	3 49.5	1.314 2015	1 1737	15 44.0
30	0 3 14.28	36.16	0 25 18.9	4 3.2	1.315 3752	1 1098	15 28.8
Febr. 3	0 3 50.44	38.18	0 21 15.7	4 15.8	1.316 4850	1 0424	15 13.7
7	0 4 28.62	40.05	0 16 59.9	4 27.5	1.317 5274	9710	14 58.6
11	0 5 8.67	41.79	0 12 32.4	4 38.2	1.318 4984	8964	14 43.6
15	0 5 50.46	43.38	−0 7 54.2	4 48.1	1.319 3948	8181	14 28.5
19	0 6 33.84	44.82	−0 3 6.1	4 56.9	1.320 2129	7368	14 13.5
23	0 7 18.66	46.09	+0 1 50.8	5 4.6	1.320 9497	6524	13 58.5
27	0 8 4.75	47.17	0 6 55.4	5 11.1	1.321 6021	5660	13 43.6
März 2	0 8 51.92	48.10	0 12 6.5	5 16.4	1.322 1681	4785	13 28.6
6	0 9 40.02	48.87	0 17 22.9	5 20.8	1.322 6466	3896	13 13.7
10	0 10 28.89	49.49	+0 22 43.7	5 24.2	1.323 0362	3001	12 58.8
14	0 11 18.38	49.94	0 28 7.9	5 26.5	1.323 3363	2093	12 43.9
18	0 12 8.32	50.22	0 33 34.4	5 27.7	1.323 5456	1175	12 29.0
22	0 12 58.54	50.34	0 39 2.1	5 27.9	1.323 6631	256	12 14.1
26	0 13 48.88	50.27	0 44 30.0	5 26.7	1.323 6887	661	11 59.2
30	0 14 39.15	50.03	0 49 56.7	5 24.5	1.323 6226	1568	11 44.3
April 3	0 15 29.18	49.66	+0 55 21.2	5 21.4	1.323 4658	2463	11 29.4
7	0 16 18.84	49.13	1 0 42.6	5 17.3	1.323 2195	3346	11 14.5
11	0 17 7.97	48.45	1 5 59.9	5 12.2	1.322 8849	4219	10 59.6
15	0 17 56.42	47.61	1 11 12.1	5 6.1	1.322 4630	5080	10 44.7
19	0 18 44.03	46.60	1 16 18.2	4 59.0	1.321 9550	5921	10 29.7
23	0 19 30.63	45.44	1 21 17.2	4 50.9	1.321 3629	6738	10 14.7
27	0 20 16.07	44.14	+1 26 8.1	4 41.8	1.320 6891	7522	9 59.8
Mai 1	0 21 0.21	42.70	1 30 49.9	4 31.8	1.319 9369	8278	9 44.8
5	0 21 42.91	41.14	1 35 21.7	4 21.1	1.319 1091	9005	9 29.7
9	0 22 24.05	39.44	1 39 42.8	4 9.7	1.318 2086	9700	9 14.7
13	0 23 3.49	37.62	1 43 52.5	3 57.4	1.317 2386	1 0362	8 59.6
17	0 23 41.11	35.66	1 47 49.9	3 44.3	1.316 2024	1 0987	8 44.5
21	0 24 16.77	33.58	+1 51 34.2	3 30.4	1.315 1037	1 1568	8 29.4
25	0 24 50.35	31.38	1 55 4.6	3 15.7	1.313 9469	1 2101	8 14.2
29	0 25 21.73	29.09	1 58 20.3	3 0.5	1.312 7368	1 2583	7 59.0
Juni 2	0 25 50.82	26.71	2 1 20.8	2 44.9	1.311 4785	1 3020	7 43.8
6	0 26 17.53	24.26	2 4 5.7	2 28.7	1.310 1765	1 3410	7 28.5
10	0 26 41.79		+2 6 34.4		1.308 8355		7 13.2

Tag	0h Welt-Zeit						Obere Kulmination in Greenwich
	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1928	h m s	s	° ′ ″	′ ″			h m
Juni 10	0 26 41.79	21.71	+2 6 34.4	2 11.9	1.308 8355	1 3750	7 13.2
14	0 27 3.50	19.07	2 8 46.3	1 54.7	1.307 4605	1 4035	6 57.8
18	0 27 22.57	16.36	2 10 41.0	1 37.1	1.306 0570	1 4256	6 42.4
22	0 27 38.93	13.60	2 12 18.1	1 19.1	1.304 6314	1 4415	6 26.9
26	0 27 52.53	10.81	2 13 37.2	1 1.0	1.303 1899	1 4511	6 11.4
30	0 28 3.34	7.99	2 14 38.2	0 42.8	1.301 7388	1 4549	5 55.8
Juli 4	0 28 11.33	5.16	+2 15 21.0	0 24.5	1.300 2839	1 4523	5 40.2
8	0 28 16.49	2.30	2 15 45.5	0 6.3	1.298 8316	1 4437	5 24.6
12	0 28 18.79	0.56	2 15 51.8	0 12.1	1.297 3879	1 4282	5 8.9
16	0 28 18.23	3.42	2 15 39.7	0 30.5	1.295 9597	1 4056	4 53.2
20	0 28 14.81	6.23	2 15 9.2	0 48.5	1.294 5541	1 3758	4 37.4
24	0 28 8.58	8.99	2 14 20.7	1 6.0	1.293 1783	1 3394	4 21.6
28	0 27 59.59	11.68	+2 13 14.7	1 23.1	1.291 8389	1 2963	4 5.7
Aug. 1	0 27 47.91	14.31	2 11 51.6	1 39.7	1.290 5426	1 2471	3 49.8
5	0 27 33.60	16.85	2 10 11.9	1 55.7	1.289 2955	1 1915	3 33.8
9	0 27 16.75	19.29	2 8 16.2	2 11.2	1.288 1040	1 1293	3 17.8
13	0 26 57.46	21.64	2 6 5.0	2 25.8	1.286 9747	1 0608	3 1.7
17	0 26 35.82	23.84	2 3 39.2	2 39.5	1.285 9139	9857	2 45.6
21	0 26 11.98	25.86	+2 0 59.7	2 52.2	1.284 9282	9051	2 29.5
25	0 25 46.12	27.72	1 58 7.5	3 3.7	1.284 0231	8191	2 13.4
29	0 25 18.40	29.42	1 55 3.8	3 14.0	1.283 2040	7293	1 57.2
Sept. 2	0 24 48.98	30.94	1 51 49.8	3 23.2	1.282 4747	6349	1 41.0
6	0 24 18.04	32.26	1 48 26.6	3 31.2	1.281 8398	5362	1 24.7
10	0 23 45.78	33.38	1 44 55.4	3 37.9	1.281 3036	4337	1 8.5
14	0 23 12.40	34.26	+1 41 17.5	3 43.0	1.280 8699	3278	0 52.2
18	0 22 38.14	34.92	1 37 34.5	3 46.4	1.280 5421	2198	0 35.9
22	0 22 3.22	35.33	1 33 48.1	3 48.4	1.280 3223	1104	0 19.6
26	0 21 27.89	35.50	1 29 59.7	3 48.9	1.280 2119	6	{ 0 3.3 23 59.2 }
30	0 20 52.39	35.45	1 26 10.8	3 47.9	1.280 2113	1095	23 42.9
Okt. 4	0 20 16.94	35.17	1 22 22.9	3 45.3	1.280 3208	2196	23 26.6
8	0 19 41.77	34.65	+1 18 37.6	3 41.3	1.280 5404	3293	23 10.2
12	0 19 7.12	33.88	1 14 56.3	3 35.6	1.280 8697	4374	22 53.9
16	0 18 33.24	32.86	1 11 20.7	3 28.4	1.281 3071	5431	22 37.7
20	0 18 0.38	31.60	1 7 52.3	3 19.6	1.281 8502	6455	22 21.4
24	0 17 28.78	30.14	1 4 32.7	3 9.5	1.282 4957	7439	22 5.1
28	0 16 58.64	28.48	1 1 23.2	2 58.2	1.283 2396	8377	21 48.9
Nov. 1	0 16 30.16	26.62	+0 58 25.0	2 45.6	1.284 0773	9274	21 32.7
5	0 16 3.54	24.59	0 55 39.4	2 31.8	1.285 0047	1 0123	21 16.6
9	0 15 38.95	22.37	0 53 7.6	2 16.9	1.286 0170	1 0915	21 0.4
13	0 15 16.58	19.97	0 50 50.7	2 0.9	1.287 1085	1 1645	20 44.4
17	0 14 56.61	17.43	0 48 49.8	1 44.1	1.288 2730	1 2302	20 28.3
21	0 14 39.18		+0 47 5.7		1.289 5032		20 12.3

Tag	0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1928	h m s	s	° ′ ″	′ ″			h m
Nov. 21	0 14 39.18	14.78	+0 47 5.7	1 26.5	1.289 5032	1 2890	20 12.3
25	0 14 24.40	12.03	0 45 39.2	1 8.3	1.290 7922	1 3405	19 56.3
29	0 14 12.37	9.19	0 44 30.9	0 49.6	1.292 1327	1 3851	19 40.4
Dez. 3	0 14 3.18	6.28	0 43 41.3	0 30.5	1.293 5178	1 4229	19 24.5
7	0 13 56.90	3.31	0 43 10.8	0 11.1	1.294 9407	1 4531	19 8.7
11	0 13 53.59	0.28	0 42 59.7	0 8.7	1.296 3938	1 4752	18 53.0
15	0 13 53.31	2.78	+0 43 8.4	0 28.6	1.297 8690	1 4896	18 37.2
19	0 13 56.09	5.83	0 43 37.0	0 48.5	1.299 3586	1 4962	18 21.6
23	0 14 1.92	8.85	0 44 25.5	1 8.0	1.300 8548	1 4954	18 5.9
27	0 14 10.77	11.85	0 45 33.5	1 27.4	1.302 3502	1 4874	17 50.4
31	0 14 22.62		+0 47 0.9		1.303 8376		17 34.9

Tag	0h Welt-Zeit Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Obere Kulmination in Greenwich
1928	h m s	s	° ′ ″	′ ″			h m
Jan. −2	10 5 15.01	14.02	+12 18 43.8	1 23.0	1.470 0727	7891	3 38.8
+2	10 5 0.99	15.71	12 20 6.8	1 31.9	1.469 2836	7422	3 22.9
6	10 4 45.28	17.32	12 21 38.7	1 40.4	1.468 5414	6914	3 6.9
10	10 4 27.96	18.81	12 23 19.1	1 48.2	1.467 8500	6368	2 50.8
14	10 4 9.15	20.19	12 25 7.3	1 55.3	1.467 2132	5784	2 34.8
18	10 3 48.96	21.43	12 27 2.6	2 1.7	1.466 6348	5165	2 18.8
22	10 3 27.53	22.53	+12 29 4.3	2 7.3	1.466 1183	4514	2 2.7
26	10 3 5.00	23.48	12 31 11.6	2 11.9	1.465 6669	3838	1 46.6
30	10 2 41.52	24.27	12 33 23.5	2 15.7	1.465 2831	3141	1 30.5
Febr. 3	10 2 17.25	24.90	12 35 39.2	2 18.6	1.464 9690	2431	1 14.3
7	10 1 52.35	25.37	12 37 57.8	2 20.7	1.464 7259	1709	0 58.2
11	10 1 26.98	25.68	12 40 18.5	2 21.8	1.464 5550	978	0 42.0
15	10 1 1.30	25.83	+12 42 40.3	2 22.1	1.464 4572	242	0 25.9
19	10 0 35.47	25.81	12 45 2.4	2 21.4	1.464 4330	500	0 9.7
23	10 0 9.66	25.61	12 47 23.8	2 19.8	1.464 4830	1240	23 49.5
27	9 59 44.05	25.23	12 49 43.6	2 17.2	1.464 6070	1963	23 33.4
März 2	9 59 18.82	24.70	12 52 0.8	2 13.8	1.464 8033	2668	23 17.2
6	9 58 54.12	24.03	12 54 14.6	2 9.8	1.465 0701	3357	23 1.1
10	9 58 30.09	23.20	+12 56 24.4	2 4.9	1.465 4058	4028	22 45.0
14	9 58 6.89	22.23	12 58 29.3	1 59.1	1.465 8086	4676	22 28.9
18	9 57 44.66	21.12	13 0 28.4	1 52.8	1.466 2762	5297	22 12.8
22	9 57 23.54	19.85	13 2 21.2	1 45.7	1.466 8059	5887	21 56.7
26	9 57 3.69	18.47	13 4 6.9	1 38.0	1.467 3946	6439	21 40.7
30	9 56 45.22	16.99	13 5 44.9	1 29.8	1.468 0385	6951	21 24.6
April 3	9 56 28.23	15.42	+13 7 14.7	1 21.0	1.468 7336	7425	21 8.6
7	9 56 12.81	13.74	13 8 35.7	1 11.9	1.469 4761	7859	20 52.6
11	9 55 59.07	11.99	13 9 47.6	1 2.4	1.470 2620	8253	20 36.7
15	9 55 47.08	10.17	13 10 50.0	0 52.5	1.471 0873	8604	20 20.8
19	9 55 36.91	8.26	13 11 42.5	0 42.4	1.471 9477	8913	20 4.9
23	9 55 28.65	6.32	13 12 24.9	0 31.9	1.472 8390	9170	19 49.0
27	9 55 22.33	4.34	+13 12 56.8	0 21.2	1.473 7560	9379	19 33.2
Mai 1	9 55 17.99	2.33	13 13 18.0	0 10.5	1.474 6939	9542	19 17.4
5	9 55 15.66	0.32	13 13 28.5	0 0.1	1.475 6481	9662	19 1.7
9	9 55 15.34	1.70	13 13 28.4	0 10.9	1.476 6143	9738	18 45.9
13	9 55 17.04	3.74	13 13 17.5	0 21.6	1.477 5881	9770	18 30.2
17	9 55 20.78	5.77	13 12 55.9	0 32.4	1.478 5651	9757	18 14.6
21	9 55 26.55	7.77	+13 12 23.5	0 43.0	1.479 5408	9698	17 59.0
25	9 55 34.32	9.75	13 11 40.5	0 53.4	1.480 5106	9593	17 43.4
29	9 55 44.07	11.69	13 10 47.1	1 3.6	1.481 4699	9447	17 27.8
Juni 2	9 55 55.76	13.57	13 9 43.5	1 13.6	1.482 4146	9262	17 12.3
6	9 56 9.33	15.40	13 8 29.9	1 23.3	1.483 3408	9043	16 56.8
10	9 56 24.73		+13 7 6.6		1.484 2451		16 41.3

Tag	0ʰ Welt-Zeit						Obere Kulmination in Greenwich
	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		
1928	h m s	s	° ′ ″	′ ″			h m
Juni 10	9 56 24.73	17.18	+13 7 6.6	1 32.7	1.484 2451	8788	16 41.3
14	9 56 41.91	18.92	13 5 33.9	1 41.9	1.485 1239	8497	16 25.9
18	9 57 0.83	20.58	13 3 52.0	1 50.6	1.485 9736	8165	16 10.5
22	9 57 21.41	22.16	13 2 1.4	1 59.0	1.486 7901	7799	15 55.1
26	9 57 43.57	23.65	13 0 2.4	2 6.9	1.487 5700	7407	15 39.7
30	9 58 7.22	25.05	12 57 55.5	2 14.5	1.488 3107	6989	15 24.4
Juli 4	9 58 32.27	26.37	+12 55 41.0	2 21.4	1.489 0096	6544	15 9.1
8	9 58 58.64	27.61	12 53 19.6	2 28.0	1.489 6640	6073	14 53.8
12	9 59 26.25	28.75	12 50 51.6	2 34.1	1.490 2713	5580	14 38.5
16	9 59 55.00	29.79	12 48 17.5	2 39.7	1.490 8293	5062	14 23.3
20	10 0 24.79	30.72	12 45 37.8	2 44.8	1.491 3355	4523	14 8.1
24	10 0 55.51	31.55	12 42 53.0	2 49.2	1.491 7878	3968	13 52.9
28	10 1 27.06	32.25	+12 40 3.8	2 53.1	1.492 1846	3403	13 37.7
Aug. 1	10 1 59.31	32.85	12 37 10.7	2 56.4	1.492 5249	2823	13 22.5
5	10 2 32.16	33.35	12 34 14.3	2 59.1	1.492 8072	2233	13 7.3
9	10 3 5.51	33.75	12 31 15.2	3 1.2	1.493 0305	1633	12 52.1
13	10 3 39.26	34.02	12 28 14.0	3 2.8	1.493 1938	1023	12 36.9
17	10 4 13.28	34.18	12 25 11.2	3 3.7	1.493 2961	403	12 21.8
						———	
21	10 4 47.46	34.21	+12 22 7.5	3 3.9	1.493 3364	216	12 6.6
25	10 5 21.67	34.11	12 19 3.6	3 3.5	1.493 3148	829	11 51.4
29	10 5 55.78	33.91	12 16 0.1	3 2.4	1.493 2319	1443	11 36.3
Sept. 2	10 6 29.69	33.61	12 12 57.7	3 0.7	1.493 0876	2053	11 21.1
6	10 7 3.30	33.19	12 9 57.0	2 58.4	1.492 8823	2658	11 5.9
10	10 7 36.49	32.64	12 6 58.6	2 55.4	1.492 6165	3260	10 50.8
14	10 8 9.13	31.97	+12 4 3.2	2 51.8	1.492 2905	3852	10 35.6
18	10 8 41.10	31.19	12 1 11.4	2 47.5	1.491 9053	4427	10 20.4
22	10 9 12.29	30.29	11 58 23.9	2 42.4	1.491 4626	4985	10 5.2
26	10 9 42.58	29.29	11 55 41.5	2 36.9	1.490 9641	5523	9 50.0
30	10 10 11.87	28.19	11 53 4.6	2 30.7	1.490 4118	6042	9 34.7
Okt. 4	10 10 40.06	26.98	11 50 33.9	2 24.0	1.489 8076	6544	9 19.4
8	10 11 7.04	25.67	+11 48 9.9	2 16.7	1.489 1532	7022	9 4.1
12	10 11 32.71	24.25	11 45 53.2	2 8.7	1.488 4510	7473	8 48.8
16	10 11 56.96	22.72	11 43 44.5	2 0.2	1.487 7037	7892	8 33.5
20	10 12 19.68	21.12	11 41 44.3	1 51.2	1.486 9145	8275	8 18.1
24	10 12 40.80	19.44	11 39 53.1	1 41.7	1.486 0870	8625	8 2.8
28	10 13 0.24	17.68	11 38 11.4	1 31.8	1.485 2245	8938	7 47.4
Nov. 1	10 13 17.92	15.86	+11 36 39.6	1 21.5	1.484 3307	9218	7 31.9
5	10 13 33.78	13.97	11 35 18.1	1 10.8	1.483 4089	9459	7 16.5
9	10 13 47.75	12.01	11 34 7.3	0 59.8	1.482 4630	9655	7 1.0
13	10 13 59.76	9.99	11 33 7.5	0 48.5	1.481 4975	9805	6 45.4
17	10 14 9.75	7.95	11 32 19.0	0 37.0	1.480 5170	9908	6 29.9
21	10 14 17.70		+11 31 42.0		1.479 5262		6 14.3

Neptun 1928

Tag	0ʰ Welt-Zeit: Scheinbare Rektaszension		0ʰ Welt-Zeit: Scheinbare Deklination		0ʰ Welt-Zeit: log Δ		Obere Kulmination in Greenwich
1928	h m s	s	° ′ ″	′ ″			h m
Nov. 21	10 14 17.70	5.88	+11 31 42.0	0 25.3	1.479 5262	9962	6 14.3
25	10 14 23.58	3.79	11 31 16.7	0 13.5	1.478 5300	9971	5 58.6
29	10 14 27.37	1.70	11 31 3.2	0 1.8	1.477 5329	9932	5 43.0
Dez. 3	10 14 29.07	0.40	11 31 1.4	0 10.0	1.476 5397	9846	5 27.3
7	10 14 28.67	2.50	11 31 11.4	0 21.6	1.475 5551	9707	5 11.6
11	10 14 26.17	4.57	11 31 33.0	0 33.2	1.474 5844	9517	4 55.8
15	10 14 21.60	6.62	+11 32 6.2	0 44.6	1.473 6327	9273	4 40.0
19	10 14 14.98	8.61	11 32 50.8	0 55.6	1.472 7054	8982	4 24.1
23	10 14 6.37	10.52	11 33 46.4	1 6.2	1.471 8072	8640	4 8.3
27	10 13 55.85	12.37	11 34 52.6	1 16.3	1.470 9432	8258	3 52.4
31	10 13 43.48		+11 36 8.9		1.470 1174		3 36.5

Mittleres Äquinoktium 1925.0

MERKUR 1928

0^h Welt-Zeit	log r	Helioz. Länge	Red. a. d. Bahn	Helioz. Breite	0^h Welt-Zeit	log r	Helioz. Länge	Red. a. d. Bahn	Helioz. Breite
1928					1928				
Jan. −2	9.6690	256° 17′	+11′	−3° 24′	Juli 1	9.6582	281° 40′	+12′	−5° 41′
+3	9.6656	270 5	+13	−4 46	6	9.6429	296 41	+ 9	−6 33
8	9.6558	284 24	+12	−5 53	11	9.6209	313 7	+ 2	−6 59
13	9.6392	299 39	+ 7	−6 40	16	9.5925	331 34	− 6	−6 47
18	9.6160	316 24	0	−7 0	21	9.5593	352 49	−12	−5 43
23	9.5866	335 20	− 8	−6 40	26	9.5253	17 32	−11	−3 30
28	9.5528	357 11	−13	−5 24	31	9.4981	45 57	− 1	−0 11
Febr. 2	9.5193	22 36	−10	−2 57	Aug. 5	9.4879	77 0	+11	+3 28
7	9.4946	51 38	+ 2	+0 31	10	9.4993	108 10	+11	+6 7
12	9.4884	82 56	+12	+4 5	15	9.5271	136 43	0	+7 0
17	9.5036	113 47	+ 9	+6 25	20	9.5613	161 24	−10	+6 24
22	9.5333	141 39	− 2	+6 59	25	9.5943	182 25	−13	+4 58
27	9.5677	165 37	−11	+6 11	30	9.6223	200 35	−10	+3 11
März 3	9.6000	186 1	−13	+4 39	Sept. 4	9.6439	216 42	− 5	+1 19
8	9.6268	203 44	− 9	+2 50	9	9.6588	231 30	+ 2	−0 30
13	9.6472	219 34	− 4	+0 58	14	9.6671	245 32	+ 8	−2 11
18	9.6609	234 11	+ 3	−0 50	19	9.6689	259 17	+12	−3 43
23	9.6679	248 8	+ 9	−2 29	24	9.6641	273 10	+13	−5 2
28	9.6685	261 52	+12	−3 58	29	9.6528	287 38	+11	−6 5
April 2	9.6625	275 50	+13	−5 15	Okt. 4	9.6347	303 9	+ 6	−6 47
7	9.6499	290 27	+10	−6 15	9	9.6101	320 19	− 1	−7 0
12	9.6306	306 14	+ 5	−6 52	14	9.5795	339 49	− 9	−6 29
17	9.6047	323 47	− 3	−6 58	19	9.5453	2 24	−13	−4 58
22	9.5732	343 48	−10	−6 17	24	9.5128	28 39	− 8	−2 16
27	9.5388	7 3	−13	−4 33	29	9.4914	58 21	+ 5	+1 20
Mai 2	9.5077	34 0	− 6	−1 38	Nov. 3	9.4900	89 49	+13	+4 44
7	9.4895	64 13	+ 7	+2 2	8	9.5092	120 11	+ 7	+6 42
12	9.4922	95 41	+13	+5 14	13	9.5407	147 14	− 4	+6 54
17	9.5145	125 33	+ 5	+6 51	18	9.5751	170 21	−12	+5 53
22	9.5472	151 51	− 6	+6 47	23	9.6064	190 6	−12	+4 16
27	9.5813	174 17	−12	+5 37	28	9.6319	207 20	− 8	+2 25
Juni 1	9.6116	193 30	−12	+3 55	Dez. 3	9.6508	222 51	− 2	+0 34
6	9.6359	210 21	− 7	+2 4	8	9.6630	237 16	+ 4	−1 12
11	9.6536	225 37	− 1	+0 13	13	9.6686	251 8	+10	−2 50
16	9.6645	239 54	+ 5	−1 31	18	9.6677	264 53	+12	−4 16
21	9.6689	253 43	+10	−3 7	23	9.6603	278 57	+13	−5 30
26	9.6668	267 29	+13	−4 31	28	9.6462	293 47	+ 9	−6 25
Juli 1	9.6582	281 40	+12	−5 41	33	9.6255	309 55	+ 3	−6 56

$$\Omega = 47^\circ\ 26'.5\,;\quad i = 7^\circ\ 0'.20\,;\quad m = \frac{1}{6\,000\,000}$$

Mittleres Äquinoktium 1925.0

0h Welt-Zeit	log r	Helioz. Länge	Red. a. d. Bahn	Helioz. Breite	log r	Helioz. Länge	Red. a. d. Bahn	Helioz. Breite
	VENUS 1928				MARS 1928			
1928		° ′	′	° ′		° ′	′	° ′
Jan. −2	9.85683	162° 54.1	+0.3	+3° 23.3	0.18185	240° 50.5	+0.4	−0° 22.8
+8	9.85736	179 7.0	−1.3	+3 18.3	0.17811	246 7.6	+0.6	−0 32.8
18	9.85805	195 16.8	−2.6	+2 57.6	0.17434	251 30.3	+0.6	−0 42.6
28	9.85883	211 22.6	−3.0	+2 23.1	0.17059	256 58.6	+0.7	−0 52.1
Febr. 7	9.85965	227 23.7	−2.5	+1 37.6	0.16688	262 32.7	+0.8	−1 1.4
17	9.86045	243 20.6	−1.3	+0 44.6	0.16325	268 12.5	+0.9	−1 10.2
27	9.86116	259 13.7	+0.3	−0 11.5	0.15975	273 58.0	+0.9	−1 18.5
März 8	9.86172	275 4.1	+1.9	−1 6.6	0.15642	279 49.0	+0.9	−1 26.1
18	9.86210	290 53.0	+2.8	−1 56.6	0.15329	285 45.3	+0.8	−1 32.9
28	9.86227	306 41.5	+3.0	−2 37.6	0.15042	291 46.5	+0.7	−1 38.7
April 7	9.86221	322 30.7	+2.2	−3 6.8	0.14784	297 52.4	+0.6	−1 43.6
17	9.86193	338 21.3	+0.8	−3 21.8	0.14559	304 2.4	+0.4	−1 47.3
27	9.86146	354 13.7	−0.9	−3 21.5	0.14371	310 16.0	+0.3	−1 49.7
Mai 7	9.86082	10 8.4	−2.3	−3 5.8	0.14223	316 32.5	+0.1	−1 50.9
17	9.86006	26 5.4	−3.0	−2 35.8	0.14116	322 51.2	−0.1	−1 50.7
27	9.85925	42 5.1	−2.8	−1 53.7	0.14054	329 11.3	−0.3	−1 49.2
Juni 6	9.85844	58 7.5	−1.8	−1 2.5	0.14037	335 32.2	−0.5	−1 46.4
16	9.85770	74 12.9	−0.2	−0 6.3	0.14065	341 53.0	−0.6	−1 42.2
26	9.85708	90 21.2	+1.5	+0 50.6	0.14138	348 12.8	−0.8	−1 36.9
Juli 6	9.85664	106 32.4	+2.6	+1 43.6	0.14255	354 30.9	−0.8	−1 30.3
16	9.85641	122 45.9	+3.0	+2 28.4	0.14413	0 46.6	−0.9	−1 22.7
26	9.85641	139 0.8	+2.4	+3 1.5	0.14611	6 59.2	−0.9	−1 14.3
Aug. 5	9.85665	155 16.0	+1.1	+3 20.1	0.14844	13 8.1	−0.8	−1 5.0
15	9.85709	171 30.0	−0.6	+3 22.7	0.15110	19 12.7	−0.8	−0 55.1
25	9.85771	187 41.4	−2.1	+3 9.2	0.15404	25 12.6	−0.7	−0 44.7
Sept. 4	9.85846	203 49.1	−2.9	+2 40.9	0.15722	31 7.4	−0.5	−0 34.0
14	9.85927	219 52.5	−2.9	+2 0.1	0.16060	36 56.9	−0.4	−0 23.1
24	9.86008	235 51.3	−2.0	+1 10.2	0.16414	42 40.8	−0.2	−0 12.2
Okt. 4	9.86084	251 46.0	−0.4	+0 15.0	0.16780	48 19.1	0.0	−0 1.3
14	9.86147	267 37.6	+1.2	−0 41.1	0.17153	53 51.7	+0.2	+0 9.5
24	9.86194	283 27.1	+2.5	−1 34.0	0.17529	59 18.6	+0.3	+0 19.9
Nov. 3	9.86221	299 15.6	+3.0	−2 19.7	0.17906	64 39.8	+0.5	+0 30.0
13	9.86226	315 4.4	+2.7	−2 54.7	0.18280	69 55.6	+0.6	+0 39.7
23	9.86209	330 54.2	+1.5	−3 16.6	0.18648	75 6.0	+0.7	+0 48.9
Dez. 3	9.86170	346 45.8	−0.1	−3 23.6	0.19006	80 11.3	+0.8	+0 57.5
13	9.86113	2 39.4	−1.7	−3 15.1	0.19353	85 11.7	+0.9	+1 5.6
23	9.86043	18 35.3	−2.7	−2 51.6	0.19686	90 7.5	+0.9	+1 13.1
33	9.85963	34 33.7	−3.0	−2 14.8	0.20004	94 58.8	+0.9	+1 19.9

Venus: $\Omega = 76°\ 0'.3$; $i = 3°\ 23'.63$; $m = \frac{1}{408\,000}$

Mars: $\Omega = 48°\ 58'.7$; $i = 1°\ 51'.01$; $m = \frac{1}{3\,093\,500}$

Mittleres Äquinoktium 1925.0

0h Welt-Zeit	log R	Länge	log r	Heliozentr. Länge	Red. auf d. Bahn	Heliozentr. Breite
	ERDE 1928		JUPITER 1928			
1928		° ′		° ′ ″	″	° ′ ″
Jan. −2	9.99271	96 14.4	0.694870	7 23 12.9	+ 2.2	−1 18 26.8
+8	9.99268	106 25.9	0.694832	8 18 10.7	+ 1.3	−1 18 29.2
18	9.99291	116 37.2	0.694801	9 13 9.1	+ 0.5	−1 18 30.5
28	9.99334	126 47.5	0.694774	10 8 7.9	− 0.4	−1 18 30.6
Febr. 7	9.99398	136 56.4	0.694752	11 3 7.0	− 1.3	−1 18 29.5
17	9.99479	147 3.2	0.694735	11 58 6.5	− 2.1	−1 18 27.1
27	9.99577	157 7.5	0.694724	12 53 6.3	− 3.0	−1 18 23.5
März 8	9.99686	167 8.9	0.694717	13 48 6.1	− 3.8	−1 18 18.7
18	9.99804	177 7.2	0.694716	14 43 5.8	− 4.7	−1 18 12.6
28	9.99928	187 2.1	0.694720	15 38 5.7	− 5.5	−1 18 5.5
April 7	0.00053	196 53.7	0.694729	16 33 5.7	− 6.4	−1 17 57.1
17	0.00176	206 41.8	0.694743	17 28 5.3	− 7.2	−1 17 47.5
27	0.00293	216 26.8	0.694762	18 23 4.6	− 8.0	−1 17 36.8
Mai 7	0.00400	226 8.7	0.694786	19 18 3.6	− 8.8	−1 17 24.8
17	0.00496	235 47.8	0.694816	20 13 2.3	− 9.6	−1 17 11.7
27	0.00578	245 24.6	0.694850	21 8 0.3	−10.4	−1 16 57.3
Juni 6	0.00642	254 59.5	0.694889	22 2 57.9	−11.2	−1 16 41.9
16	0.00688	264 32.9	0.694934	22 57 54.7	−12.0	−1 16 25.3
26	0.00715	274 5.3	0.694984	23 52 50.9	−12.8	−1 16 7.3
Juli 6	0.00721	283 37.2	0.695039	24 47 46.3	−13.5	−1 15 48.4
16	0.00707	293 9.4	0.695098	25 42 40.7	−14.3	−1 15 28.2
26	0.00673	302 42.2	0.695163	26 37 34.2	−15.0	−1 15 6.9
Aug. 5	0.00619	312 16.1	0.695233	27 32 26.7	−15.7	−1 14 44.3
15	0.00548	321 51.6	0.695308	28 27 18.1	−16.4	−1 14 20.8
25	0.00460	331 29.3	0.695387	29 22 8.2	−17.1	−1 13 56.2
Sept. 4	0.00359	341 9.5	0.695472	30 16 57.1	−17.7	−1 13 30.2
14	0.00247	350 52.6	0.695561	31 11 44.9	−18.3	−1 13 3.2
24	0.00127	0 38.8	0.695656	32 6 31.1	−18.9	−1 12 35.2
Okt. 4	0.00003	10 28.2	0.695755	33 1 15.8	−19.5	−1 12 6.2
14	9.99878	20 21.2	0.695859	33 55 59.0	−20.1	−1 11 35.8
24	9.99756	30 17.5	0.695968	34 50 40.6	−20.7	−1 11 4.6
Nov. 3	9.99641	40 17.0	0.696081	35 45 20.4	−21.2	−1 10 32.2
13	9.99536	50 19.7	0.696199	36 39 58.5	−21.7	−1 9 58.9
23	9.99445	60 25.0	0.696322	37 34 34.7	−22.2	−1 9 24.5
Dez. 3	9.99370	70 32.7	0.696450	38 29 9.2	−22.7	−1 8 48.9
13	9.99314	80 42.2	0.696582	39 23 41.5	−23.1	−1 8 12.4
23	9.99280	90 53.0	0.696718	40 18 11.8	−23.5	−1 7 35.0
33	9.99268	101 4.5	0.696859	41 12 40.0	−23.9	−1 6 56.5
	$m = \frac{1}{329\,390}$		☊ = 99° 41′ 52″.2; i = 1° 18′ 26″.4; $m = \frac{1}{1047.35}$			

Mittleres Äquinoktium 1925.0

SATURN 1928

0h Welt-Zeit	log r	Heliozentr. Länge	Red. auf die Bahn	Heliozentr. Breite
1927 Dez. 9	1.000395	250° 18′ 57″.6	−1′ 37″.2	+1° 41′ 19″.2
1928 Jan. 18	1.000574	251 31 44.3	−1 36.8	+1 38 58.5
Febr. 27	1.000743	252 44 26.9	−1 36.3	+1 36 35.4
April 7	1.000901	253 57 6.0	−1 35.5	+1 34 9.7
Mai 17	1.001049	255 9 41.6	−1 34.5	+1 31 41.5
Juni 26	1.001187	256 22 13.6	−1 33.4	+1 29 11.0
Aug. 5	1.001314	257 34 42.5	−1 32.1	+1 26 38.3
Sept. 14	1.001431	258 47 8.7	−1 30.7	+1 24 3.4
Okt. 24	1.001538	259 59 32.2	−1 29.1	+1 21 26.3
1928 Dez. 3	1.001634	261 11 53.1	−1 27.2	+1 18 47.0
1929 Jan. 12	1.001719	262 24 12.0	−1 25.1	+1 16 5.8

$\Omega = 113° \; 0' \; 20''.6; \quad i = 2° \; 29' \; 28''.7; \quad m = \frac{1}{3501.6}$

URANUS 1928

0h Welt-Zeit	log r	Heliozentr. Länge	Red. auf die Bahn	Heliozentr. Breite
1927 Dez. 9	1.302730	2° 11′ 24″.8	− 5″.7	−0° 43′ 57″.5
1928 Jan. 18	1.302694	2 37 9.9	− 5.8	−0 43 50.8
Febr. 27	1.302658	3 2 55.2	− 5.9	−0 43 44.0
April 7	1.302620	3 28 40.8	− 6.0	−0 43 37.1
Mai 17	1.302580	3 54 26.6	− 6.1	−0 43 29.9
Juni 26	1.302539	4 20 12.6	− 6.2	−0 43 22.6
Aug. 5	1.302496	4 45 59.0	− 6.3	−0 43 15.2
Sept. 14	1.302452	5 11 45.6	− 6.4	−0 43 7.6
Okt. 24	1.302407	5 37 32.4	− 6.5	−0 42 59.9
1928 Dez. 3	1.302360	6 3 19.4	− 6.6	−0 42 52.1
1929 Jan. 12	1.302312	6 29 6.8	− 6.7	−0 42 44.1

$\Omega = 73° \; 37'; \quad i = 0° \; 46' \; 22''; \quad m = \frac{1}{22869}$

NEPTUN 1928

0h Welt-Zeit	log r	Heliozentr. Länge	Red. auf die Bahn	Heliozentr. Breite
1927 Dez. 9	1.478888	147° 20′ 48″.1	+26″.9	+0° 30′ 6″.1
1928 Jan. 18	1.478906	147 35 4.2	+27.2	+0 30 31.6
Febr. 27	1.478922	147 49 20.2	+27.6	+0 30 57.1
April 7	1.478940	148 3 36.4	+27.9	+0 31 22.4
Mai 17	1.478957	148 17 52.6	+28.2	+0 31 47.8
Juni 26	1.478975	148 32 8.7	+28.6	+0 32 13.2
Aug. 5	1.478992	148 46 24.9	+28.9	+0 32 38.5
Sept. 14	1.479010	149 0 41.1	+29.3	+0 33 3.8
Okt. 24	1.479028	149 14 57.4	+29.6	+0 33 29.0
1928 Dez. 3	1.479046	149 29 13.7	+29.9	+0 33 54.2
1929 Jan. 12	1.479064	149 43 30.0	+30.2	+0 34 19.4

$\Omega = 130° \; 57'; \quad i = 1° \; 46' \; 37''; \quad m = \frac{1}{19314}$

Mittlere und Scheinbare Sternörter 1928

Reduktionsgrößen

Mittlere Sternörter 1928.0

Nr.	Name	Gr.	Spektrum	AR. 1928.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1928.0	Jährl. Veränderung	Jährl. Eigenbew. in 0″.001
		M		h m s	s		° ′ ″	″	
905	[2 Ceti]	4.62	A 0	0 0 3.147	+3.0736	+ 11	−17 44 12.43	+20.041	− 4
1	α Androm.	2.15	A 0 p	0 4 39.699	+3.0984	+ 107	+28 41 34.65	+19.879	− 161
2	β Cassiopeiae	2.42	F 5	0 5 19.445	+3.1917	+ 677	+58 45 9.58	+19.859	− 180
3	ε Phoenicis	3.94	K 0	0 5 45.621	+3.0478	+ 99	−46 8 41.48	+19.846	− 192
4	[22 Androm.]	5.08	F 0	0 6 34.259	+3.1129	+ 8	+45 40 17.65	+20.033	− 3
5	[κ² Sculptoris]	5.56	K 0	0 7 55.202	+3.0485	+ 4	−28 12 3.50	+20.038	+ 6
6	[ϑ Sculptoris]	5.19	F 5	0 8 4.456	+3.0496	+ 104	−35 32 10.30	+20.156	+ 124
7	γ Pegasi	2.87	B 2	0 9 31.532	+3.0876	+ 1	+14 46 59.71	+20.013	− 14
8	[Br. 6]	6.23	B 9	0 12 7.117	+3.3749	+ 67	+76 33 2.82	+20.018	+ 1
9	ι Ceti	3.75	K 0	0 15 45.568	+3.0565	− 15	− 9 13 22.85	+19.965	− 32
10	ζ Tucanae	4.34	F 8	0 16 19.767	+3.1357	+2697	−65 17 52.88	+21.148	+1154
11	β Hydri	2.90	G 0	0 21 59.733	+3.1822	+6947	−77 39 34.98	+20.270	+ 318
12	α Phoenicis	2.44	K 0	0 22 43.666	+2.9676	+ 168	−42 41 49.66	+19.537	− 409
13	12 Ceti	6.04	K 5	0 26 21.862	+3.0619	+ 8	− 4 21 18.08	+19.904	− 8
14	[Ceti 49 G.]	5.23	A 3	0 26 46.752	+3.0003	− 25	−24 11 9.51	+19.917	+ 9
15	[λ¹ Phoenicis]	4.88	A 2	0 27 56.772	+2.8968	+ 123	−49 12 6.16	+19.908	+ 12
16	[κ Cassiop.]	4.24	B 0	0 28 53.557	+3.3972	+ 11	+62 32 4.73	+19.888	+ 3
17	ζ Cassiopeiae	3.72	B 3	0 32 56.949	+3.3339	+ 23	+53 30 3.14	+19.831	− 7
18	π Androm.	4.44	B 3	0 33 1.797	+3.2007	+ 17	+33 19 23.55	+19.837	0
19	[ε Androm.]	4.52	G 5	0 34 44.759	+3.1670	− 173	+28 55 15.71	+19.563	− 251
20	δ Androm.	3.49	K 2	0 35 28.354	+3.2046	+ 106	+30 28 2.20	+19.721	− 84
21	α Cassiopeiae	2.47	K 0	0 36 24.537	+3.3939	+ 60	+56 8 33.81	+19.763	− 29
22	β Ceti	2.24	K 0	0 39 58.564	+3.0118	+ 160	−18 22 53.71	+19.779	+ 39
23	[η Phoenicis]	4.53	A 0	0 40 7.505	+2.7029	+ 5	−57 51 28.94	+19.730	− 8
25	ο Cassiopeiae	4.70	B 2	0 40 42.238	+3.3362	+ 22	+47 53 25.95	+19.721	− 8
26	[λ² Sculptoris]	5.97	K 0	0 40 43.272	+2.9006	+ 178	−38 49 5.82	+19.843	+ 114
24	21 Cassiopeiae	5.59	A 2	0 40 51.564	+3.9272	− 57	+74 35 41.22	+19.704	− 23
27	ζ Androm.	4.30	K 0	0 43 31.066	+3.1770	− 75	+23 52 32.71	+19.606	− 79
28	[δ Piscium]	4.55	K 5	0 44 56.670	+3.1109	+ 52	+ 7 11 36.55	+19.615	− 46
31	[λ Hydri]	4.96	K 5	0 46 6.136	+2.0938	+ 398	−75 18 54.77	+19.614	− 27
29	[Br. 82]	5.45	F 2 + A 2	0 46 20.478	+3.6255	+ 59	+63 51 21.32	+19.632	− 5
30	[19 Ceti]	5.24	F 5	0 46 31.213	+3.0044	− 159	−11 1 54.52	+19.410	− 223
34	[λ² Tucanae]	5.34	K 0	0 52 19.016	+2.2425	− 33	−69 54 58.64	+19.479	− 45
32	γ Cassiopeiae	2.25	B 0 p	0 52 20.855	+3.6076	+ 37	+60 19 37.92	+19.520	− 4
33	μ Androm.	3.94	A 2	0 52 44.992	+3.3249	+ 129	+38 6 33.04	+19.552	+ 36
35	α Sculptoris	4.39	B 5	0 55 8.216	+2.8904	− 5	−29 44 47.24	+19.462	− 5
36	ε Piscium	4.45	K 0	0 59 12.247	+3.1123	− 55	+ 7 30 10.41	+19.410	+ 30
37	[26 Ceti]	6.07	F 0	1 0 6.615	+3.0868	+ 81	+ 0 58 52.37	+19.320	− 39
38	β Phoenicis	3.35	K 0	1 2 52.303	+2.6776	− 56	−47 6 15.24	+19.279	− 15
39	[ι Tucanae]	5.32	K 0	1 4 27.784	+2.3806	+ 100	−62 9 34.35	+19.253	− 4

Nr.	Name	Gr.	Spektrum	AR. 1928.0	Jährl. Veränderung	Jährl. Eigenbew. in 0ˢ.0001	Dekl. 1928.0	Jährl. Veränderung	Jährl. Eigenbew. in 0″.001
		M		h m s	s		° ′ ″	″	
40	[η Ceti]	3.60	K o	1 4 58.011	+3.0169	+ 137	−10 33 48.83	+19.113	−132
42	β Androm.	2.37	M a	1 5 41.658	+3.3549	+ 151	+35 14 21.38	+19.114	−113
41	[44 H. Cephei]	5.68	A o	1 5 59.028	+5.1127	+ 334	+79 17 29.18	+19.228	+ 9
43	[τ Piscium]	4.70	K o	1 7 41.367	+3.3003	+ 56	+29 42 27.71	+19.135	− 41
44	[Sculpt. 102 G.]	5.91	A 5	1 9 26.363	+2.7625	+ 39	−38 14 15.78	+19.104	− 27
45	υ Piscium	4.67	A 2	1 15 30.217	+3.2935	+ 15	+26 53 9.83	+18.956	− 11
47	ϑ Ceti	3.83	K o	1 20 25.431	+2.9982	− 55	− 8 33 16.00	+18.609	−214
46	[ψ Cassiop.]	4.96	K o	1 20 49.276	+4.2148	+ 135	+67 45 17.68	+18.843	+ 32
48	δ Cassiopeiae	2.80	A 5	1 21 5.351	+3.9102	+ 398	+59 51 42.19	+18.760	− 43
49	[γ Phoenicis]	3.40	K 5	1 25 14.337	+2.6052	− 38	−43 41 12.65	+18.456	−218
50	η Piscium	3.72	G 5	1 27 37.611	+3.2077	+ 15	+14 58 30.36	+18.590	− 7
51	40 Cassiopeiae	5.50	K o	1 32 43.440	+4.7570	− 20	+72 40 26.17	+18.420	− 6
53	[Hydri 14 G.]	6.06	G 5	1 33 9.362	+0.3803	− 70	−78 52 12.81	+18.283	−128
52	υ Persei	3.77	K o	1 33 33.724	+3.6739	+ 64	+48 15 50.55	+18.284	−113
54	α Eridani	0.60	B 5	1 35 2.134	+2.2366	+ 122	−57 36 7.96	+18.308	− 38
55	43 Cassiopeiae	5.54	A o p	1 36 58.889	+4.4183	+ 88	+67 40 46.97	+18.275	− 2
56	[ν Piscium]	4.68	K o	1 37 40.927	+3.1207	− 16	+ 5 7 25.55	+18.253	+ 2
58	[Sculpt. 129 G.]	5.64	A o	1 38 52.504	+2.6430	− 57	−37 11 42.43	+18.185	− 23
57	φ Persei	4.19	B o p	1 39 8.159	+3.7508	+ 26	+50 19 36.09	+18.184	− 15
59	τ Ceti	3.65	K o	1 40 43.378	+2.7870	−1195	−16 18 58.40	+18.992	+852
60	o Piscium	4.50	K o	1 41 35.323	+3.1662	+ 47	+ 8 47 45.39	+18.157	+ 50
61	Lac. ε Sculpt.	5.39	F o	1 42 16.376	+2.8088	+ 99	−25 24 44.07	+18.007	− 75
62	ζ Ceti	3.92	K o	1 47 54.330	+2.9606	+ 22	−10 41 24.67	+17.830	− 34
64	α Trianguli	3.58	F 5	1 48 58.289	+3.4163	+ 11	+29 13 43.51	+17.588	−233
63	ε Cassiopeiae	3.44	B 3	1 49 11.658	+4.2973	+ 50	+63 18 59.03	+17.797	− 15
65	ξ Piscium	4.84	K o	1 49 49.558	+3.1047	+ 13	+ 2 49 57.43	+17.806	+ 19
66	β Arietis	2.72	A 5	1 50 39.470	+3.3108	+ 65	+20 27 24.29	+17.644	−109
67	ψ Phoenicis	4.41	M b	1 50 45.621	+2.4055	− 94	−46 39 18.17	+17.648	−101
69	[η² Hydri]	4.72	K o	1 53 6.464	+1.5178	+ 119	−68 0 4.12	+17.732	+ 79
68	χ Eridani	3.73	G 5	1 53 9.340	+2.3344	+ 712	−51 58 1.69	+17.921	+270
72	α Hydri	3.02	F o	1 56 30.029	+1.8898	+ 361	−61 55 11.64	+17.531	+ 21
71	υ Ceti	4.18	M a	1 56 36.745	+2.8265	+ 91	−21 25 33.86	+17.491	− 14
70	50 Cassiopeiae	4.06	A 2	1 57 14.853	+5.0861	− 91	+72 4 26.34	+17.503	+ 25
73	γ Androm.	2.28 5.08	K o A o	1 59 28.256	+3.6760	+ 43	+41 59 5.87	+17.328	− 54
74	α Arietis	2.23	K 2	2 3 6.565	+3.3786	+ 137	+23 7 22.01	+17.078	−143
75	β Trianguli	3.08	A 5	2 5 15.132	+3.5650	+ 122	+34 38 51.12	+17.085	− 40
77	[6 Persei]	5.40	K o	2 8 48.289	+3.9806	+ 368	+50 43 56.05	+16.792	−169
76	55 Cassiopeiae	6.15	F 5 + A 2	2 8 48.429	+4.6855	− 10	+66 11 17.15	+16.964	+ 3
78	Lac. μ Forn.	5.24	A o	2 9 44.275	+2.6425	+ 13	−31 3 39.78	+16.919	+ 2
79	[γ Trianguli]	4.07	A o	2 13 1.630	+3.5619	+ 37	+33 30 54.48	+16.718	− 44

Mittlere Sternörter 1928.0

Nr.	Name	Gr.	Spektrum	AR. 1928.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1928.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
		M		h m s	s		° ′ ″	″	
80	67 Ceti	5.70	G 5	2 13 23.439	+2.9913	+ 55	− 6 45 11.81	+16.634	−110
82	[φ Eridani]	3.78	B 8	2 13 56.185	+2.1426	+ 81	−51 50 42.40	+16.682	− 36
81	[ϑ Arietis]	5.69	A 0	2 14 6.977	+3.3343	− 10	+19 34 7.89	+16.708	− 2
83	[κ Fornacis]	5.37	F 5	2 19 14.872	+2.7451	+ 142	−24 8 34.48	+16.394	− 63
84	[λ Horologii]	5.47	F 2	2 22 53.065	+1.6768	− 95	−60 38 1.96	+16.136	−137
85	ξ² Ceti	4.34	A 0	2 24 19.680	+3.1880	+ 26	+ 8 8 17.38	+16.195	− 4
86	[κ Eridani]	4.44	B 5	2 24 20.678	+2.1977	− 2	−48 1 35.92	+16.176	− 23
88	[λ¹ Fornacis]	5.88	K 0	2 30 6.778	+2.4993	− 43	−34 57 58.36	+15.864	− 32
87	36 H. Cassiop.	5.34	K 0	2 31 8.763	+5.6645	− 60	+72 30 17.63	+15.862	+ 21
90	μ Hydri	5.29	K 0	2 33 9.319	−1.3146	+ 470	−79 25 25.27	+15.700	− 33
89	ν Arietis	5.36	A 2	2 34 43.388	+3.4035	− 9	+21 39 3.56	+15.632	− 16
91	δ Ceti	4.04	B 2	2 35 47.390	+3.0738	+ 7	+ 0 1 7.44	+15.587	− 2
95	[ε Hydri]	4.26	B 9	2 38 28.541	+0.9181	+ 168	−68 34 30.79	+15.445	+ 5
92	[Br. 366]	5.84	A 2	2 38 36.225	+5.1360	+ 25	+67 31 12.55	+15.404	− 29
94	[35 Arietis]	4.58	B 3	2 39 13.263	+3.5167	+ 4	+27 24 6.41	+15.392	− 7
93	ϑ Persei	4.22	F 8	2 39 16.269	+4.0892	+ 346	+48 55 30.09	+15.307	− 89
96	[γ Ceti]	3.58	A 2	2 39 34.040	+3.1070	− 98	+ 2 55 59.60	+15.231	−148
97	π Ceti	4.39	B 5	2 40 41.697	+2.8545	− 8	−14 9 46.08	+15.307	− 9
98	μ Ceti	4.36	F 0	2 41 2.802	+3.2410	+ 189	+ 9 48 39.76	+15.265	− 31
99	[η Persei]	3.93	K 0	2 45 25.835	+4.3651	+ 28	+55 35 52.58	+15.035	− 11
100	41 Arietis	3.68	B 8	2 45 44.423	+3.5278	+ 51	+26 57 53.18	+14.914	−113
101	β Fornacis	4.50	K 0	2 46 4.596	+2.5103	+ 63	−32 42 27.33	+15.167	+159
102	τ² Eridani	4.81	K 0	2 47 46.324	+2.7207	− 39	−21 18 0.72	+14.880	− 29
103	τ Persei	4.06	G 0 + A 5	2 49 8.423	+4.2436	+ 3	+52 28 8.64	+14.828	− 2
104	η Eridani	4.05	K 0	2 52 54.522	+2.9301	+ 52	− 9 11 1.94	+14.387	−218
106	ϑ Eridani	3.42 4.42	A 2	2 55 31.747	+2.2724	− 67	−40 35 32.73	+14.475	+ 28
105	47 H. Cephei	5.66	M a	2 56 26.238	+7.9082	− 113	+79 8 12.00	+14.414	+ 22
107	α Ceti	2.82	M a	2 58 30.784	+3.1344	− 9	+ 3 48 29.51	+14.189	− 76
108	γ Persei	3.08	F 5 + A 3	2 59 34.139	+4.3349	+ 2	+53 13 32.83	+14.196	− 4
109	*ρ Persei	var.	M b	3 0 33.316	+3.8394	+ 114	+38 33 44.95	+14.036	−103
110	μ Horologii	5.16	F 0	3 1 54.762	+1.4098	− 117	−60 0 59.94	+13.987	− 68
113	[ϑ Hydri]	5.52	B 8	3 2 5.600	+0.1111	+ 51	−72 11 0.71	+14.066	+ 22
111	*β Persei	var.	B 8	3 3 28.579	+3.8980	+ 7	+40 40 46.14	+13.956	− 1
112	[ι Persei]	4.17	G 0	3 3 51.595	+4.3209	+1296	+49 20 22.38	+13.850	− 83
114	δ Arietis	4.53	K 0	3 7 30.463	+3.4280	+ 106	+19 27 19.86	+13.698	− 4
117	12 Eridani	3.95	F 8	3 9 0.663	+2.5469	+ 241	−29 16 12.45	+14.249	+644
116	[94 Ceti]	5.14	F 8	3 9 5.890	+3.0614	+ 136	− 1 27 51.97	+13.538	− 62
118	[Horol. 38 G.]	5.72	N a	3 10 43.462	+1.5159	− 5	−57 35 27.13	+13.489	− 6
115	48 H. Cephei	5.50	F 0	3 11 6.989	+7.5450	+ 183	+77 28 22.06	+13.426	− 44
119	[e Eridani]	4.30	G 5	3 17 3.167	+2.3958	+2786	−43 20 40.53	+13.812	+731

Nr. 109. Größe: Max. 3.3, Min. 4.1   Nr. 111. Größe: Max. 2.3, Min. 3.5

Nr.	Name	Gr.	Spektrum	AR. 1928.0	Jährl. Veränderung	Jährl. Eigenbew. in 0ˢ.0001	Dekl. 1928.0	Jährl. Veränderung	Jährl. Eigenbew. in 0″.001
		M		h m s	s		° ′ ″	″	
120	α Persei	1.90	F 5	3 19 10.323	+4.2752	+ 29	+49 36 22.69	+12.914	− 26
121	ο Tauri	3.80	G 5	3 20 56.155	+3.2270	− 44	+ 8 46 35.49	+12.745	− 76
122	2 H. Camelop.	4.42	B 9 p	3 23 13.357	+4.8445	− 1	+59 41 28.07	+12.674	+ 6
123	[ξ Tauri]	3.75	B 8	3 23 15.847	+3.2498	+ 39	+ 9 28 57.41	+12.620	− 45
124	[σ Persei]	4.55	K o	3 25 29.348	+4.2230	+ 9	+47 44 53.21	+12.536	+ 23
125	*f* Tauri	4.28	K o	3 26 53.685	+3.3104	+ 13	+12 41 27.48	+12.411	− 5
126	[κ Reticuli]	4.80	F 5	3 28 6.745	+1.0397	+514	−63 11 28.02	+12.694	+361
127	ε Eridani	3.81	K o	3 29 32.237	+2.8261	−658	− 9 42 3.99	+12.247	+ 13
128	[Horol. 45 G.]	5.60	K o	3 30 25.656	+1.7842	+ 48	−50 37 20.44	+12.253	+ 80
130	[*y* Eridani]	4.58	K o	3 34 30.585	+2.1519	− 16	−40 30 36.22	+11.863	− 24
129	[Grb 716]	5.32	M a	3 35 53.353	+5.1904	− 21	+62 59 6.67	+11.812	+ 22
131	δ Persei	3.10	B 5	3 37 47.385	+4.2651	+ 33	+47 33 31.67	+11.620	− 35
133	[δ Fornacis]	4.93	B 5	3 39 23.022	+2.3852	− 5	−32 10 3.56	+11.548	+ 7
135	[δ Eridani]	3.72	K o	3 39 47.866	+2.8734	− 64	−10 0 21.96	+12.258	+747
132	[ο Persei]	3.94	B 1	3 39 47.906	+3.7589	+ 8	+32 3 41.00	+11.495	− 17
134	ν Persei	3.93	F 5	3 40 17.720	+4.0710	− 6	+42 21 9.00	+11.471	− 5
136	[17 Tauri]	3.81	B 5 p	3 40 35.754	+3.5602	+ 17	+23 53 17.63	+11.411	− 44
137	[24 Eridani]	5.09	B 8	3 40 50.974	+3.0464	+ 1	− 1 23 21.11	+11.428	− 8
138	5 H. Camelop.	4.67	A o	3 42 43.598	+6.3029	+ 42	+71 6 45.53	+11.261	− 40
139	η Tauri	2.96	B 5 p	3 43 12.036	+3.5640	+ 17	+23 53 1.41	+11.219	− 48
141	β Reticuli	3.80	K o	3 43 17.426	+0.7462	+477	−65 2 0.30	+11.321	+ 61
140	τ^6 Eridani	4.33	F 8	3 43 44.941	+2.5801	−123	−23 27 41.04	+10.708	−519
142	[27 Tauri]	3.80	B 8	3 44 52.611	+3.5649	+ 14	+23 50 4.27	+11.100	− 45
143	*g* Eridani	4.24	K o	3 46 45.566	+2.2450	− 40	−36 25 3.09	+10.956	− 52
146	γ Hydri	3.17	M a	3 48 20.094	−0.9489	+124	−74 27 36.42	+11.002	+109
144	ζ Persei	2.91	B 1	3 49 36.083	+3.7685	+ 11	+31 40 16.18	+10.788	− 11
145	*9 H. Camelop.	5.22	K o + A o	3 50 58.974	+5.1029	− 3	+60 53 59.00	+10.681	− 16
147	ε Persei	2.96	B 1	3 53 0.965	+4.0220	+ 23	+39 48 12.00	+10.517	− 29
148	ξ Persei	4.05	Oe 5	3 54 17.291	+3.8898	+ 10	+35 35 7.18	+10.443	− 8
149	γ Eridani	3.19	K 5	3 54 40.142	+2.7986	+ 42	−13 42 44.57	+10.312	−112
150	*λ Tauri	var.	B 3	3 56 41.303	+3.3223	− 5	+12 17 17.11	+10.259	− 13
151	ν Tauri	3.94	A o	3 59 19.448	+3.1905	+ 4	+ 5 47 26.22	+10.063	− 10
153	[Erid. 174 G.]	5.57	A 5	4 2 39.325	+2.4722	+148	−27 50 52.28	+ 9.928	+108
152	*c* Persei	4.03	B 3 p	4 3 25.636	+4.3508	+ 33	+47 31 18.66	+ 9.729	− 32
154	o^1 Eridani	4.14	F 2	4 8 20.983	+2.9281	+ 8	− 7 1 27.33	+ 9.465	+ 82
155	α Horologii	3.83	K o	4 11 36.806	+1.9859	+ 20	−42 28 16.65	+ 8.911	−219
156	α Reticuli	3.36	G 5	4 13 29.531	+0.7680	+ 50	−62 39 13.42	+ 9.030	+ 47
157	[γ Doradus]	4.36	F 5	4 14 8.202	+1.5687	+ 89	−51 40 4.05	+ 9.105	+172
160	υ^4 Eridani	3.59	B 9	4 15 10.069	+2.2687	+ 37	−33 58 24.08	+ 8.840	− 12
159	[γ Tauri]	3.86	K o	4 15 41.596	+3.4129	+ 82	+15 27 17.95	+ 8.782	− 29

Nr. 145. Doppelstern, Größe der Komponenten: 5.0 und 8.2

Nr. 150. Größe: Max. 3.3, Min. 4.2

Nr.	Name	Gr.	Spektrum	AR. 1928.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1928.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
		M		h m s	s		° ' "	"	
158	[54 Persei]	5.10	G 5	4 15 43.841	+3.8926	− 20	+34 23 39.76	+8.802	− 6
161	[Erid. 212 G.]	5.31	A 0	4 17 30.593	+2.6185	+ 36	−20 48 36.44	+8.683	+ 15
162	δ Tauri	3.93	K 0	4 18 46.793	+3.4587	+ 78	+17 22 29.77	+8.537	− 31
163	[η Reticuli]	5.18	K 0	4 21 6.360	+0.6449	+127	−63 33 25.79	+8.543	+160
166	[δ Mensae]	5.62	K 0 p	4 22 47.888	−4.1057	+ 99	−80 23 2.54	+8.320	+ 71
164	ε Tauri	3.63	K 0	4 24 24.593	+3.5021	+ 80	+19 1 19.58	+8.085	− 35
165	*[1 Camel. seq.]	5.42	B 1	4 26 19.168	+4.7462	+ 7	+53 45 22.22	+7.967	0
167	[δ Caeli]	5.16	B 3	4 28 37.687	+1.8362	− 6	−45 6 27.87	+7.765	− 17
168	α Tauri	1.06	K 5	4 31 47.210	+3.4414	+ 48	+16 21 57.18	+7.337	−189
171	α Doradus	3.47	A 0 p	4 32 26.424	+1.2964	+ 71	−55 11 35.33	+7.476	+ 3
169	ν Eridani	4.12	B 2	4 32 43.212	+2.9973	+ 2	− 3 29 54.68	+7.446	− 4
170	[υ² Eridani]	3.88	K 0	4 32 45.002	+2.3314	− 46	−30 42 31.46	+7.442	− 6
172	53 Eridani	3.98	K 0	4 34 52.902	+2.7467	− 54	−14 26 37.62	+7.110	−164
174	τ Tauri	4.33	B 5	4 37 55.275	+3.6000	+ 5	+22 49 12.68	+7.007	− 19
173	Grb 848	6.04	F 0	4 39 6.732	+8.0437	+105	+75 48 47.94	+6.795	−134
176	[μ Eridani]	4.18	B 5	4 41 54.080	+2.9997	+ 13	− 3 23 7.64	+6.688	− 12
175	4 Camelop.	5.35	A 2	4 41 59.853	+4.9915	+ 60	+56 37 52.60	+6.545	−146
177	[μ Mensae]	5.69	B 9	4 43 46.543	−0.6068	+ 17	−71 3 47.84	+6.573	+ 28
178	9 Camelop.	4.38	B 0	4 46 52.736	+5.9533	+ 5	+66 13 22.13	+6.297	+ 10
179	[π¹ Orionis]	3.78	B 3	4 47 22.186	+3.1947	0	+ 5 28 59.34	+6.239	− 7
180	π⁵ Orionis	3.87	B 3	4 50 29.966	+3.1245	− 2	+ 2 19 26.26	+5.983	− 3
181	ι Aurigae	2.90	K 2	4 52 18.120	+3.9058	+ 10	+33 3 13.15	+5.815	− 20
183	*ε Aurigae	var.	F 5 p	4 56 47.901	+4.3030	+ 6	+43 43 6.26	+5.444	− 14
182	10 Camelop.	4.22	G 0 p	4 57 0.322	+5.3312	− 1	+60 20 21.09	+5.429	− 12
184	ι Tauri	4.70	A 5	4 58 47.421	+3.5856	+ 53	+21 29 18.84	+5.247	− 43
185	η Aurigae	3.28	B 3	5 1 27.746	+4.2056	+ 33	+41 8 19.58	+4.993	− 71
186	ε Leporis	3.29	K 5	5 2 24.761	+2.5396	+ 20	−22 28 0.08	+4.916	− 68
187	[η² Pictoris]	4.92	K 5	5 3 5.866	+1.5504	+ 35	−49 40 28.48	+4.932	+ 6
189	[ζ Doradus]	4.76	F 8	5 4 16.331	+1.0244	− 71	−57 34 14.64	+4.929	+103
188	β Eridani	2.92	A 3	5 4 18.562	+2.9494	− 59	− 5 10 41.96	+4.744	− 79
190	[λ Eridani]	4.34	B 2	5 5 42.005	+2.8710	+ 3	− 8 50 42.92	+4.701	− 4
192	μ Aurigae	4.78	A 3	5 8 29.912	+4.1041	− 13	+38 24 3.03	+4.388	− 79
191	19 H. Camelop.	5.16	F 8	5 10 39.287	+9.8544	−311	+79 9 9.10	+4.443	+161
194	β Orionis	0.34	B 8 p	5 11 4.599	+2.8829	+ 2	− 8 17 1.10	+4.246	0
193	α Aurigae	0.21	G 0	5 11 22.022	+4.4306	+ 85	+45 55 35.66	+3.794	−428
196	ϑ Doradus	4.78	K 0	5 13 48.482	−0.0504	+ 14	−67 15 58.71	+4.051	+ 39
195	[τ Orionis]	3.68	B 5	5 14 6.565	+2.9127	− 12	− 6 55 15.66	+3.980	− 7
197	[ο Columbae]	4.91	K 0	5 14 53.191	+2.1627	+ 63	−34 57 52.55	+3.592	−329
198	[Columb. 12 G.]	5.75	A 0	5 16 31.499	+2.3922	+ 8	−27 26 30.99	+3.768	− 11
199	[ζ Pictoris]	5.52	F 8	5 17 36.029	+1.4700	+ 9	−50 40 57.84	+3.914	+227

Nr. 165. Doppelstern, Größe der Komponenten: 5.86 und 6.61.

Nr. 183. Größe: Max. 3.4, Min. 4.2

Nr.	Name	Gr.	Spektrum	AR. 1928.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1928.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
		M		h m s	s		° ' "	"	
200	[η Orion. med.]	3.44	B 1	5 20 51.390	+3.0167	+ 5	− 2 27 43.63	+3.408	+ 1
201	γ Orionis	1.70	B 2	5 21 16.106	+3.2177	− 3	+ 6 17 8.43	+3.351	− 20
202	β Tauri	1.78	B 8	5 21 44.343	+3.7923	+ 25	+28 32 53.51	+3.154	−177
203	17 Camelop.	5.75	K 5	5 23 21.843	+5.6628	− 3	+63 0 33.91	+3.189	− 1
204	[β Leporis]	2.96	G 0	5 25 9.622	+2.5711	+ 4	−20 48 57.14	+2.942	− 93
206	δ Orionis	2.48 6.87	B 0	5 28 19.633	+3.0647	0	− 0 21 4.25	+2.759	− 2
207	α Leporis	2.69	F 0	5 29 33.240	+2.6459	+ 2	−17 52 21.93	+2.657	+ 2
205	Grb 966	6.36	K 5	5 30 5.175	+8.0166	− 8	+74 59 57.99	+2.628	+ 20
208	[φ¹ Orionis]	4.53	B 0	5 30 52.012	+3.2932	− 1	+ 9 26 31.48	+2.531	− 10
209	ι Orionis	2.87	Oe 5	5 31 54.638	+2.9349	+ 5	− 5 57 21.69	+2.446	− 4
210	ε Orionis	1.75	B 0	5 32 33.552	+3.0441	+ 1	− 1 14 48.05	+2.391	− 3
212	β Doradus	3.81	F 5 p	5 32 59.872	+0.5183	− 13	−62 32 12.26	+2.354	− 2
211	ζ Tauri	3.00	B 3 p	5 33 20.448	+3.5856	+ 6	+21 6 0.25	+2.301	− 26
214	[γ Mensae]	5.06	K 0	5 34 43.469	−2.3861	+282	−76 23 35.39	+2.504	+298
213	[σ Orionis]	3.78	B 0	5 35 7.849	+3.0116	0	− 2 38 25.45	+2.170	− 1
215	α Columbae	2.75	B 5 p	5 37 2.440	+2.1721	− 2	−34 6 42.22	+1.967	− 37
216	ο Aurigae	5.52	A 0	5 40 19.269	+4.6476	− 6	+49 47 47.92	+1.710	− 9
217	[γ Leporis]	3.80	F 8	5 41 27.721	+2.5018	−201	−22 28 15.26	+1.244	−376
218	[130 Tauri]	5.51	F 0	5 43 14.294	+3.4986	+ 4	+17 42 12.99	+1.459	− 6
219	ζ Leporis	3.67	A 2	5 43 41.548	+2.7183	− 12	−14 50 51.57	+1.423	− 2
220	κ Orionis	2.20	B 0	5 44 20.478	+2.8455	+ 4	− 9 41 38.52	+1.365	− 3
221	[ν Aurigae]	4.18	K 0	5 46 29.915	+4.1577	− 4	+39 7 45.02	+1.192	+ 11
222	[δ Leporis]	3.90	K 0	5 48 13.478	+2.5802	+165	−20 53 3.12	+0.377	−653
223	[β Columbae]	3.22	K 0	5 48 25.211	+2.1139	+ 34	−35 47 40.07	+1.416	+404
224	α Orionis	0.92	M a	5 51 16.401	+3.2482	+ 20	+ 7 23 42.21	+0.776	+ 13
226	[η Leporis]	3.77	F 0	5 53 7.517	+2.7327	− 27	−14 10 46.94	+0.741	+140
225	δ Aurigae	3.88	K 0	5 53 35.907	+4.9405	+100	+54 16 52.58	+0.438	−122
227	β Aurigae	2.07	A 0 p	5 54 14.850	+4.4018	− 42	+44 56 30.81	+0.495	− 8
228	ϑ Aurigae	2.71	A 0 p	5 54 48.697	+4.0921	+ 49	+37 12 33.04	+0.367	− 87
229	η Columbae	4.03	K 0	5 56 56.567	+1.8369	+ 22	−42 49 6.99	+0.234	− 34
230	[66 Orionis]	5.70	K 0	6 1 10.072	+3.1696	− 6	+ 4 9 50.11	−0.117	− 15
231	[Puppis 1 G.]	6.22	F 8	6 2 24.060	+1.7267	− 83	−45 2 8.37	+0.022	+232
232	ν Orionis	4.40	B 2	6 3 27.678	+3.4264	+ 11	+14 46 42.08	−0.334	− 31
233	[36 Camelop.]	5.39	K 0	6 5 36.440	+6.0359	− 5	+65 44 6.86	−0.519	− 29
235	[δ Pictoris]	4.84	B 1	6 8 53.689	+1.1670	− 22	−54 57 7.90	−0.785	− 7
236	*η Geminor.	var.	M a	6 10 31.912	+3.6224	− 42	+22 31 45.13	−0.934	− 13
234	22 H. Camelop.	4.73	A 0	6 10 54.965	+6.6158	+ 16	+69 20 52.81	−1.056	−102
239	[α Mensae]	5.14	K 0	6 12 22.905	−1.7910	+235	−74 43 45.10	−1.309	−226
237	[2 Lyncis]	4.42	A 0	6 13 16.338	+5.2959	− 7	+59 2 21.31	−1.131	+ 29
238	[κ Columbae]	4.51	K 0	6 13 59.408	+2.1343	− 6	−35 6 56.76	−1.149	+ 74

Nr. 236. Größe: Max. 3.3, Min. 4.2

Mittlere Sternörter 1928.0

Nr.	Name	Gr.	Spektrum	AR. 1928.0	Jährl. Veränderung	Jährl. Eigenbew. in 0ˢ.0001	Dekl. 1928.0	Jährl. Veränderung	Jährl. Eigenbew. in 0″.001
		M		h m s	s		° ′ ″	″	
240	ζ Canis maj.	3.10	B 3	6 17 32.905	+ 2.3028	+ 2	−30 1 49.35	−1.530	+ 4
241	μ Geminor.	3.19	M a	6 18 36.324	+ 3.6307	+ 48	+22 33 7.51	−1.736	− 111
242	ψ¹ Aurigae	5.10	K 2	6 19 21.307	+ 4.6232	+ 9	+49 19 35.72	−1.694	− 3
243	β Canis maj.	1.99	B 1	6 19 31.714	+ 2.6419	− 4	−17 55 8.55	−1.704	+ 2
244	8 Monocer.	4.48 6.54	A 5	6 19 57.190	+ 3.1800	− 7	+ 4 37 50.46	−1.739	+ 4
245	α Argus	−0.86	F 0	6 22 21.139	+ 1.3314	+ 16	−52 39 20.94	−1.940	+ 11
246	10 Monocer.	4.98	B 3	6 24 24.253	+ 2.9630	− 2	− 4 42 59.05	−2.125	+ 5
247	8 Lyncis	6.05	G 0	6 31 6.885	+ 5.4877	−285	+61 32 48.10	−2.990	− 277
249	ξ² Canis maj.	4.54	A 0	6 32 2.299	+ 2.5142	+ 5	−22 54 24.23	−2.780	+ 13
251	γ Geminor.	1.93	A 0	6 33 33.198	+ 3.4669	+ 34	+16 27 43.71	−2.970	− 46
250	51 Aurigae	5.71	K 0	6 33 40.287	+ 4.1590	− 18	+39 27 21.51	−3.049	− 114
248	23 H.Camelop.	5.60	F 8	6 33 58.669	+10.2779	−292	+79 38 47.49	−3.583	− 622
252	ν Argus	3.18	B 8	6 35 33.464	+ 1.8356	− 4	−43 7 55.93	−3.118	− 20
253	*S Monocer.	4.68	Oe 5	6 37 0.820	+ 3.3051	+ 6	+ 9 57 49.30	−3.229	− 5
254	ε Geminor.	3.18	G 5	6 39 30.234	+ 3.6928	+ 3	+25 12 14.18	−3.452	− 15
256	ξ Geminor.	3.40	F 5	6 41 14.952	+ 3.3683	− 75	+12 58 28.36	−3.787	− 199
255	[ψ⁵ Aurigae]	5.34	G 0	6 41 33.154	+ 4.3274	+ 7	+43 39 2.68	−3.460	+ 154
257	*α Canis maj.	−1.58	A 0	6 41 58.617	+ 2.6437	−370	−16 36 58.64	−4.863	−1212
258	18 Monocer.	4.70	K 0	6 44 6.456	+ 3.1297	− 2	+ 2 29 31.70	−3.854	− 20
259	[43 Camelop.]	5.13	B 5	6 45 57.109	+ 6.4814	+ 16	+68 58 28.44	−3.989	+ 3
264	[ζ Mensae]	5.64	A 2	6 46 4.084	− 4.9611	− 34	−80 44 21.46	−3.917	+ 85
262	α Pictoris	3.30	A 5	6 47 27.233	+ 0.6174	−100	−61 51 49.67	−3.865	+ 256
261	ϑ Geminor.	3.64	A 2	6 48 2.751	+ 3.9568	+ 7	+34 2 58.60	−4.226	− 55
263	[τ Argus]	2.83	K 0	6 48 8.955	+ 1.4887	+ 29	−50 31 42.51	−4.276	− 96
260	[24 H. Camel.]	4.75	K 5	6 49 35.522	+ 8.7805	+216	+77 4 21.48	−4.317	− 13
266	ϑ Canis maj.	4.25	K 2	6 50 50.689	+ 2.7877	− 94	−11 56 50.30	−4.424	− 13
265	15 Lyncis	4.54	G 0	6 51 2.877	+ 5.2012	0	+58 31 9.34	−4.558	− 130
267	[ι Volantis]	5.52	B 8	6 52 16.744	− 0.6811	− 4	−70 52 26.46	−4.521	+ 12
268	ε Canis maj.	1.63	B 1	6 55 47.724	+ 2.3577	0	−28 52 23.27	−4.831	+ 1
269	*ζ Geminor.	var.	G 0 p	6 59 50.412	+ 3.5601	0	+20 40 38.54	−5.177	− 3
270	[o² Canis maj.]	3.12	B 5 p	7 0 1.072	+ 2.5053	− 2	−23 43 37.57	−5.189	0
271	γ Canis maj.	4.07	B 5	7 0 30.097	+ 2.7153	+ 8	−15 31 33.02	−5.243	− 12
272	[Carinae 27 G.]	5.30	A 0	7 2 57.719	+ 1.1168	− 24	−56 38 23.86	−5.445	− 7
273	δ Canis maj.	1.98	F 8 p	7 5 27.784	+ 2.4390	− 8	−26 16 40.48	−5.644	+ 3
274	63 Aurigae	5.07	K 2	7 6 42.393	+ 4.1303	+ 45	+39 26 22.77	−5.752	0
275	[J Puppis]	4.47	F 0	7 10 30.390	+ 1.7096	−147	−46 38 18.40	−5.979	+ 91
276	[64 Aurigae]	5.75	A 3	7 13 2.090	+ 4.1762	− 3	+41 0 45.93	−6.277	+ 3
277	λ Geminor.	3.65	A 2	7 13 57.401	+ 3.4493	− 31	+16 40 17.67	−6.400	− 44
278	π Argus	2.74	K 5	7 14 35.943	+ 2.1185	− 14	−36 58 2.53	−6.407	+ 3
279	δ Geminor.	3.51	F 0	7 15 49.515	+ 3.5854	− 11	+22 6 59.03	−6.522	− 10

Nr. 253. Doppelstern, Größe der Komponenten: 6.0 und 8.8 Nr. 257. Ort des Schwerpunktes. Die Reduktion auf den Hauptstern ist nach den Elementen von Auwers A. N. 3085

1928.0 $\Delta\alpha = -0^s.186$ $\Delta\delta = -2''.16$

1929.0 $= -0.176$ $= -2.20$

Nr. 269. Größe: Max. [illegible] Min. [illegible]

Nr.	Name	Gr.	Spektrum	AR. 1928.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1928.0	Jährl. Veränderung	Jährl. Eigenbew. in 0″.001
		M		h m s	s		° ′ ″	″	
281	δ Volantis	4.02	F 5	7 16 52.398	−0.0227	+ 4	−67 49 32.02	− 6.610	− 12
280	19 Lyncis seq.	5.61	B 8	7 16 59.999	+4.9028	− 1	+55 25 8.25	− 6.643	− 34
283	[η Can. maj.]	2.43	B 5 p	7 21 14.813	+2.3731	− 5	−29 9 41.64	− 6.945	+ 13
282	ι Geminor.	3.89	K 0	7 21 15.471	+3.7292	− 83	+27 56 33.65	− 7.044	− 85
285	β Canis min.	3.09	B 8	7 23 14.849	+3.2550	− 31	+ 8 26 8.47	− 7.162	− 40
284	Grb 1308	5.80	K 0	7 23 24.292	+6.2611	− 7	+68 36 54.43	− 7.179	− 44
286	ρ Geminor.	4.18	F 0	7 24 29.006	+3.8618	+122	+31 55 45.45	− 7.040	+ 183
287	*α Geminor.	2.85 1.99	A 0	7 30 0.452	+3.8329	−129	+32 2 54.09	− 7.753	− 81
288	[Pupp. 108 G.]	4.52	F 8	7 30 58.224	+2.5675	− 39	−22 8 23.55	− 7.731	+ 18
289	25 Monocer.	5.17	F 5	7 33 41.940	+2.9835	− 47	− 3 56 56.58	− 7.949	+ 20
290	[f Puppis]	4.62	B 8	7 34 42.210	+2.2194	− 27	−34 48 20.42	− 8.033	+ 16
291	*α Can. min.	0.48	F 5	7 35 32.042	+3.1416	−470	+ 5 24 38.79	− 9.143	−1028
292	24 Lyncis	4.96	A 2	7 36 55.527	+5.0866	− 47	+58 52 50.68	− 8.280	− 53
293	[26 Monocer.]	4.07	K 0	7 37 48.423	+2.8662	− 57	− 9 22 55.50	− 8.318	− 21
294	ϰ Geminor.	3.68	G 5	7 40 6.239	+3.6250	− 15	+24 34 19.38	− 8.534	− 54
295	β Geminor.	1.21	K 0	7 40 54.795	+3.6743	−468	+28 12 5.38	− 8.596	− 53
297	ζ Volantis	3.89	K 0	7 42 42.827	−0.7306	+ 8	−72 26 0.46	− 8.678	+ 8
296	π Geminor.	5.29	K 2	7 42 52.109	+3.8725	− 1	+33 35 37.90	− 8.728	− 31
298	[Pupp. 205 G.]	5.34	G 0	7 48 26.287	+2.7786	− 41	−13 42 21.44	− 9.477	− 343
299	[26 Lyncis]	5.69	K 0	7 49 28.587	+4.3754	− 40	+47 45 10.16	− 9.221	− 6
301	[α Puppis]	3.76	G 5	7 49 44.478	+2.0620	− 18	−40 23 21.46	− 9.234	+ 1
300	Grb 1374	5.56	K 0	7 51 36.721	+7.2191	− 30	+74 6 46.60	− 9.413	− 32
303	χ Argus	3.60	B 3	7 54 56.950	+1.5267	− 32	−52 47 18.58	− 9.614	+ 24
302	[53 Camelop.]	6.00	A 2 p	7 55 34.347	+5.1397	− 30	+60 31 23.21	− 9.706	− 21
304	[27 Monocer.]	5.06	K 0	7 56 8.435	+2.9991	− 27	− 3 28 55.37	− 9.719	+ 9
305	χ Geminor.	5.04	K 0	7 59 5.992	+3.6880	− 15	+27 59 51.12	−10.000	− 46
306	ζ Argus	2.27	O d	8 1 3.150	+2.1078	− 34	−39 47 58.37	−10.091	+ 10
307	27 Lyncis	4.87	A 2	8 3 3.031	+4.5217	− 59	+51 42 57.05	−10.257	− 4
308	ι Navis	2.88	F 5	8 4 28.634	+2.5548	− 64	−24 5 44.98	−10.313	+ 47
309	γ Argus	2.22	O a p	8 7 18.783	+1.8488	− 12	−47 7 25.59	−10.575	− 4
311	20 Navis	5.05	G 5	8 10 1.429	+2.7580	− 8	−15 34 13.20	−10.778	− 6
310	Br. 1147	5.73	G 5	8 10 32.565	+7.5851	+ 58	+75 58 45.73	−10.793	+ 17
312	β Cancri	3.76	K 2	8 12 36.748	+3.2553	− 30	+ 9 24 30.88	−11.014	− 52
313	[η Puppis]	4.43	A 5	8 15 51.508	+2.2443	−104	−36 26 7.49	−11.110	+ 89
314	31 Lyncis	4.43	K 5	8 17 54.820	+4.1145	− 8	+43 25 13.52	−11.455	− 108
315	ε Argus	1.74	K 0 + B	8 21 2.325	+1.2337	− 32	−59 16 38.14	−11.556	+ 15
316	Br. 1197	3.95	A 0	8 22 3.838	+2.9990	− 41	− 3 40 13.68	−11.665	− 21
318	ϑ Chamael.	4.26	K 0	8 22 49.722	−1.7694	−458	−77 15 10.18	−11.668	+ 30
317	ο Ursae maj.	3.47	G 0	8 24 17.900	+5.0008	−174	+60 57 37.99	−11.913	− 111
319	[β Volantis]	3.65	K 0	8 24 57.544	+0.6584	− 54	−65 53 47.38	−12.027	− 177

Nr. 287. Rektaszension der Mitte, Deklination des folgenden, helleren Sterns. Nr. 291. Ort des Schwerpunktes. Die Reduktion auf den Ort des hellen Sterns beträgt nach den Elementen von Auwers A. N. 3929

1928.0 $\Delta\alpha = +0^s.041$ $\Delta\delta = +0''.45$

1929.0 $= +0\ .050$ $= +0\ .36$

Mittlere Sternörter 1928.0

Nr.	Name	Gr.	Spektrum	AR. 1928.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1928.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
		M		h m s	s		° ' "	"	
320	Grb 1450	6.05	K 0	8 28 14.510	+3.9056	− 83	+38 15 52.74	−12.250	−170
321	η Cancri	5.52	K 0	8 28 32.912	+3.4726	− 26	+20 41 12.82	−12.151	− 50
322	[Grb 1446]	6.29	K 0	8 31 44.669	+6.7167	− 36	+73 53 0.79	−12.427	−104
323	[Grb 1460]	6.03	K 0	8 33 58.146	+4.4553	− 38	+52 57 55.12	−12.511	− 35
324	[*e* Velorum]	4.13	A 5	8 35 6.649	+2.1081	− 22	−42 44 11.78	−12.561	− 7
325	[6 Hydrae]	5.15	K 2	8 36 36.780	+2.8420	− 64	−12 13 11.67	−12.659	− 3
326	δ Cancri	4.17	K 0	8 40 35.791	+3.4122	− 9	+18 25 11.95	−13.160	−236
327	α Pyxidis	3.70	B 2	8 40 41.896	+2.4102	− 15	−32 55 33.61	−12.919	+ 12
328	ι Cancri	6.61 4.20	A 5 G 5	8 42 20.696	+3.6348	− 12	+29 1 27.88	−13.088	− 47
330	δ Argus	2.01	A 0	8 42 42.946	+1.6572	+ 22	−54 26 39.37	−13.159	− 93
329	[ε Hydrae]	3.48	F 8	8 42 57.906	+3.1789	− 126	+ 6 41 2.46	−13.132	− 50
331	[η Chamael.]	5.62	B 9	8 43 48.606	−1.9941	− 151	−78 42 8.96	−13.104	+ 34
332	[γ Pyxidis]	4.19	K 2	8 47 28.550	+2.5462	− 99	−27 26 30.84	−13.285	+ 94
333	[σ²Cancri med.]	5.60	K 0	8 49 51.396	+3.6648	+ 31	+30 51 11.35	−13.558	− 26
334	ζ Hydrae	3.30	K 0	8 51 35.380	+3.1731	− 64	+ 6 13 14.00	−13.632	+ 12
336	*c* Carinae	3.98	B 8	8 53 25.060	+1.3620	− 26	−60 22 7.91	−13.709	+ 52
335	ι Ursae maj.	3.12	A 5	8 54 17.261	+4.1168	− 437	+48 19 31.70	−14.063	−247
337	α Cancri	4.27	A 3	8 54 33.117	+3.2835	+ 26	+12 8 14.76	−13.868	− 35
339	10 Ursae maj.	4.09	F 5	8 55 58.450	+3.9023	− 383	+42 4 8.04	−14.186	−264
338	[ρ Ursae maj.]	4.99	M a	8 56 4.751	+5.4373	− 34	+67 54 42.50	−13.914	+ 15
341	ϰ Ursae maj.	3.68	A 0	8 58 43.156	+4.1050	− 27	+47 26 32.75	−14.159	− 65
340	[Grb 1501]	5.68	A 2	8 58 44.611	+4.4074	− 8	+54 34 8.30	−14.093	+ 3
343	α Volantis	4.18	A 5	9 1 18.857	+0.9512	− 8	−66 6 30.68	−14.368	−114
342	[*c* Velorum]	3.69	K 0	9 1 40.122	+2.0666	− 70	−46 48 38.12	−14.304	− 28
344	σ² Ursae maj.	4.87	F 8	9 4 4.980	+5.3035	− 16	+67 25 42.50	−14.491	− 67
345	λ Argus	2.22	K 5	9 5 20.731	+2.2049	− 33	−43 8 28.34	−14.491	+ 9
346	[36 Lyncis]	5.30	B 8	9 9 6.181	+3.9319	− 18	+43 30 56.23	−14.768	− 42
347	ϑ Hydrae	3.84	A 0	9 10 37.199	+3.1229	+ 89	+ 2 37 8.06	−15.128	−313
348	β Argus	1.80	A 0	9 12 25.030	+0.6659	− 303	−69 25 13.63	−14.823	+ 97
349	[38 Lyncis]	3.82	A 2	9 14 22.242	+3.7397	− 18	+37 6 29.89	−15.163	−129
350	*83 Cancri	6.60	F 5	9 14 57.973	+3.3514	− 80	+18 0 41.36	−15.204	−135
351	[ι Argus]	2.25	F 0	9 15 9.733	+1.6058	− 35	−58 58 21.62	−15.078	+ 2
352	40 Lyncis	3.30	K 5	9 16 40.476	+3.6600	− 178	+34 41 52.76	−15.154	+ 12
353	ϰ Argus	2.63	B 3	9 19 52.947	+1.8567	− 22	−54 42 9.56	−15.347	+ 2
354	α Hydrae	2.16	K 2	9 24 2.996	+2.9488	− 7	− 8 20 44.54	−15.548	+ 32
355	*h* Ursae maj.	3.75	F 0	9 25 52.411	+4.7504	+ 168	+63 22 40.53	−15.652	+ 28
356	[ε Antliae]	4.64	K 2	9 26 16.316	+2.4749	− 25	−35 38 9.16	−15.716	− 14
359	ψ Argus	3.64	F 5	9 27 51.731	+2.3611	− 172	−40 9 2.83	−15.714	+ 74
358	ϑ Ursae maj.	3.26	F 8 p	9 28 3.192	+4.0231	−1027	+52 0 23.26	−16.344	−545
357	*d* Ursae maj.	4.57	G 0	9 28 8.917	+5.3377	− 120	+70 8 53.51	−15.729	+ 75

Nr. 350. Größe aus Harvard 54 entnommen

Nr.	Name	Gr.	Spektrum	AR. 1928.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1928.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
		M		h m s	s		° ' "	"	
361	[N Velorum]	3.04	K 5	9 29 2.050	+1.8232	− 36	−56 42 58.16	−15.850	+ 1
360	10 Leon. min.	4.62	G 5	9 29 49.161	+3.6815	+ 13	+36 43 5.47	−15.919	− 26
362	[H. Carinae]	5.52	K 2	9 31 4.594	+0.4611	− 61	−72 45 41.44	−15.976	− 17
363	[Grb 1564]	5.74	K 0	9 36 6.878	+5.1665	−131	+69 33 59.22	−16.296	− 74
364	[κ Hydrae]	4.96	B 3	9 36 51.270	+2.8762	− 18	−14 0 17.22	−16.271	− 11
365	[ο Leonis]	3.76	F 5 + A 3	9 37 18.619	+3.2040	− 94	+10 13 14.51	−16.321	− 37
366	θ Antliae	4.98	F 5 p	9 40 59.457	+2.6734	− 40	−27 26 20.96	−16.434	+ 35
367	ε Leonis	3.12	G 0 p	9 41 46.111	+3.4090	− 31	+24 6 23.61	−16.525	− 17
369	υ Argus	3.15 6.03	F 0	9 45 18.181	+1.5006	− 21	−64 44 15.47	−16.682	− 1
368	υ Ursae maj.	3.89	F 0	9 45 53.186	+4.2820	−379	+59 22 42.28	−16.863	−154
370	6 Sextantis	6.00	A 2	9 47 36.387	+3.0238	+ 8	− 3 54 18.86	−16.822	− 30
371	[μ Leonis]	4.10	K 0	9 48 40.381	+3.4155	−162	+26 20 48.74	−16.899	− 56
373	[Hydrae 183 G.]	5.16	M a	9 51 28.457	+2.8303	− 25	−18 40 4.50	−17.040	− 66
372	Grb 1586	5.96	K 0	9 51 59.190	+5.4040	−179	+73 13 22.77	−17.043	− 45
374	[19 Leon. min.]	5.19	F 5	9 53 16.954	+3.6815	−100	+41 23 57.51	−17.085	− 27
375	[φ Argus]	3.70	B 5	9 54 19.945	+2.1041	− 21	−54 13 28.52	−17.108	− 2
377	[η Antliae]	5.25	F 0	9 55 46.777	+2.5720	− 83	−35 32 44.84	−17.196	− 24
376	[12 Sextantis]	6.63	A 5	9 55 59.076	+3.1130	− 47	+ 3 43 47.06	−17.154	+ 27
378	π Leonis	4.89	M a	9 56 24.637	+3.1720	− 21	+ 8 23 25.29	−17.225	− 25
379	η Leonis	3.58	A 0 p	10 3 24.607	+3.2730	− 2	+17 6 51.87	−17.512	− 6
380	α Leonis	1.34	B 8	10 4 32.398	+3.1971	−167	+12 19 10.91	−17.555	− 1
381	λ Hydrae	3.83	K 0	10 7 4.686	+2.9252	−134	−11 59 51.21	−17.747	− 87
382	q Velorum	4.09	A 2	10 11 42.560	+2.5144	−154	−41 45 52.80	−17.803	+ 45
385	[ω Argus]	3.56	B 8	10 12 1.858	+1.4322	− 29	−69 40 48.27	−17.862	0
384	ζ Leonis	3.65	F 0	10 12 41.388	+3.3401	+ 15	+23 46 36.44	−17.894	− 7
383	λ Ursae maj.	3.52	A 2	10 12 45.759	+3.6255	−148	+43 16 28.28	−17.939	− 49
386	μ Ursae maj.	3.21	K 5	10 18 2.851	+3.5812	− 70	+41 51 43.84	−18.070	+ 24
387	30 H. Urs. maj.	4.92	A 0	10 18 57.678	+4.3469	− 25	+65 55 52.76	−18.146	− 18
388	[25 Sextantis]	6.10	B 9	10 19 48.138	+3.0322	− 40	− 3 42 34.89	−18.162	− 2
389	μ Hydrae	4.06	K 5	10 22 36.464	+2.9015	− 85	−16 28 5.69	−18.343	− 82
391	J Carinae	4.08	F 5	10 22 58.130	+1.1930	− 67	−73 39 53.10	−18.292	− 17
390	31 Leon. min.	4.41	K 0	10 23 43.597	+3.4751	− 96	+37 4 36.34	−18.408	−106
392	Lac. α Antliae	4.42	K 5	10 23 51.292	+2.7434	− 62	−30 42 2.54	−18.297	+ 10
393	s Carinae	4.08	F 0	10 25 13.884	+2.1978	− 32	−58 22 17.18	−18.369	− 14
394	36 Ursae maj.	4.84	F 5	10 26 1.929	+3.8515	−216	+56 21 1.49	−18.416	− 33
396	[ρ Leonis]	3.85	B 0 p	10 29 1.311	+3.1604	− 6	+ 9 40 39.44	−18.491	− 5
395	9 H. Dracon.	5.04	G 5	10 29 1.441	+5.1485	− 96	+76 5 4.96	−18.490	− 4
397	[p Carinae]	3.58	B 5 p	10 29 27.686	+2.1312	− 18	−61 18 52.38	−18.496	+ 5
398	[37 Ursae maj.]	5.16	F 0	10 30 32.277	+3.8779	+ 83	+57 27 14.68	−18.501	+ 36
399	[44 Hydrae]	5.32	K 2	10 30 35.339	+2.8530	− 2	−23 22 25.25	−18.518	+ 21

Nr. 400. Doppelstern, Größe der Komponenten: 4.5 und 5.0

Nr.	Name	Gr.	Spektrum	AR. 1928.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1928.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
		M		h m s	s		° ′ ″	″	
400	*[*p* Velorum]	4.06	F 2 + A 3	10 34 16.167	+2.5150	−183	−47 51 5.03	−18.692	− 34
401	[γ Chamael.]	4.10	M a	10 34 37.975	+0.7265	−116	−78 14 2.45	−18.640	+ 30
402	[*x* Velorum]	4.37	G 0	10 36 25.959	+2.3790	− 75	−55 13 41.24	−18.747	− 21
404	33 Sextantis	6.40	K 0	10 37 44.452	+3.0523	− 94	− 1 21 45.57	−18.892	−125
403	[35 H. Urs. maj.]	5.23	K 0	10 37 56.271	+4.3205	− 19	+69 27 12.12	−18.791	− 18
405	[41 Leon. min.]	5.05	A 2	10 39 30.312	+3.2653	− 80	+23 33 57.24	−18.808	+ 13
406	ϑ Argus	3.03	B 0	10 40 23.054	+2.1368	− 26	−64 1 0.73	−18.843	+ 4
407	42 Leon. min.	5.37	B 9	10 41 51.999	+3.3405	− 15	+31 3 43.31	−18.928	− 37
408	μ Argus	2.84	G 5	10 43 40.006	+2.5745	+ 49	−49 2 22.21	−19.008	− 65
411	[δ² Chamael.]	4.62	B 3	10 45 7.844	+0.5885	−120	−80 9 36.90	−18.975	+ 9
409	*l* Leonis	5.27	A 0	10 45 28.475	+3.1550	− 3	+10 55 35.64	−19.024	− 30
410	[ν Hydrae]	3.32	K 0	10 46 4.273	+2.9595	+ 66	−15 48 59.51	−18.816	+194
412	[46 Leon. min.]	3.92	K 0	10 49 17.462	+3.3604	+ 76	+34 36 12.46	−19.380	−282
414	[ι Antliae]	4.70	K 0	10 53 21.534	+2.7930	+ 62	−36 45 1.56	−19.340	−137
413	[Br. 1508]	6.26	G 5	10 54 14.769	+4.8503	−258	+78 9 23.18	−19.251	− 26
415	*i* Velorum	4.56	A 2	10 56 50.814	+2.7493	+ 20	−41 50 21.96	−19.292	− 4
416	β Ursae maj.	2.44	A 0	10 57 30.557	+3.6322	+101	+56 46 7.28	−19.278	+ 26
417	α Ursae maj.	1.95	K 0	10 59 18.002	+3.7172	−174	+62 8 24.07	−19.417	− 72
418	γ Leonis	4.66	F 0	11 1 18.265	+3.0957	−231	+ 7 43 32.22	−19.436	− 46
419	[χ Hydrae]	5.06	F 5	11 1 51.563	+2.8873	−154	−26 54 16.92	−19.410	− 7
420	ψ Ursae maj.	3.15	K 0	11 5 37.404	+3.3800	− 57	+44 53 21.92	−19.519	− 36
421	β Crateris	4.52	A 2	11 8 6.867	+2.9490	0	−22 25 56.66	−19.631	− 98
422	δ Leonis	2.58	A 3	11 10 16.938	+3.1934	+106	+20 55 6.36	−19.711	−136
423	ϑ Leonis	3.41	A 0	11 10 27.838	+3.1498	− 43	+15 49 24.18	−19.660	− 81
424	[Grb 1757]	5.97	K 0	11 12 38.893	+3.3883	− 97	+49 52 9.76	−19.641	− 22
425	ν Ursae maj.	3.71	K 0	11 14 35.704	+3.2453	− 16	+33 29 14.56	−19.630	+ 22
426	δ Crateris	3.82	K 0	11 15 44.353	+2.9982	− 88	−14 23 19.33	−19.471	+200
427	σ Leonis	4.13	A 0	11 17 25.488	+3.0944	− 62	+ 6 25 27.05	−19.712	− 12
428	π Centauri	4.26	B 5	11 17 43.012	+2.7301	− 41	−54 5 46.51	−19.717	− 13
429	Grb 1771	5.98	A 0	11 18 35.578	+3.5804	− 10	+64 43 29.30	−19.684	+ 34
430	[ι Leonis]	4.03	F 5	11 20 10.324	+3.1281	+106	+10 55 33.43	−19.826	− 84
431	[γ Crateris]	4.14	A 5	11 21 16.969	+2.9958	− 72	−17 17 17.75	−19.752	+ 7
432	[58 Ursae maj.]	5.88	F 8	11 26 37.777	+3.2529	− 43	+43 34 6.85	−19.761	+ 72
433	λ Draconis	4.06	M a	11 27 9.037	+3.5817	− 80	+69 43 43.02	−19.860	− 21
434	ξ Hydrae	3.72	G 5	11 29 27.387	+2.9475	−167	−31 27 32.71	−19.909	− 43
435	[*C*² Centauri]	5.42	F 0	11 32 25.739	+2.9007	+ 13	−47 14 31.82	−19.946	− 47
436	λ Centauri	3.34	B 9	11 32 27.044	+2.7576	− 58	−62 37 16.81	−19.917	− 17
437	υ Leonis	4.47	K 0	11 33 15.729	+3.0718	+ 1	− 0 25 34.16	−19.872	+ 36
438	[π Chamael.]	5.74	F 0	11 34 16.937	+2.4664	−279	−75 29 52.14	−19.923	− 5
439	[ο Hydrae]	4.88	B 8	11 36 37.983	+2.9769	− 30	−34 20 43.73	−19.939	+ 1

Nr.	Name	Gr.	Spektrum	AR. 1928.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1928.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
		M		h m s	s		° ' "	"	
440	3 Draconis	5.48	K 0	11 38 28.385	+3.3624	− 78	+67 8 36.83	−19.917	+ 40
442	[λ Muscae]	3.80	A 5	11 42 11.878	+2.8210	−153	−66 19 46.51	−19.964	+ 20
441	χ Ursae maj.	3.85	K 0	11 42 15.356	+3.1750	−133	+48 10 43.11	−19.965	+ 20
443	[Centauri 65 G.]	4.22	G 0	11 43 1.315	+2.8935	− 25	−60 46 41.29	−20.024	− 35
444	β Leonis	2.23	A 2	11 45 23.325	+3.0615	−341	+14 58 28.58	−20.121	−118
445	β Virginis	3.80	F 8	11 46 56.688	+3.1252	+494	+ 2 10 13.73	−20.288	−276
446	[*B* Centauri]	4.71	K 0	11 47 32.185	+2.9897	−111	−44 46 23.15	−20.061	− 46
447	γ Ursae maj.	2.54	A 0	11 50 3.128	+3.1637	+107	+54 5 42.09	−20.023	+ 2
448	[ε Chamael.]	5.05	B 9	11 56 1.433	+2.9493	−162	−77 49 15.20	−20.050	− 9
449	[Centauri 88 G.]	5.28	F 0	11 59 55.336	+3.0992	+267	−42 1 51.39	−20.167	−122
450	ο Virginis	4.24	G 5	12 1 32.531	+3.0567	−147	+ 9 7 57.91	−20.006	+ 38
451	[Grb 1852]	5.96	K 0	12 1 36.935	+3.0747	+436	+77 18 29.95	−20.140	− 96
452	δ Centauri	2.88	B 3 p	12 4 37.103	+3.1010	− 44	−50 19 17.22	−20.059	− 18
453	ε Corvi	3.21	K 0	12 6 25.099	+3.0831	− 51	−22 13 9.71	−20.026	+ 11
454	4 H. Draconis	5.12	A 5	12 8 50.833	+2.8322	+ 23	+78 0 58.63	−20.007	+ 23
455	[δ Crucis]	3.08	B 3	12 11 18.657	+3.1747	− 51	−58 20 55.01	−20.047	− 27
456	δ Ursae maj.	3.44	A 2	12 11 52.295	+2.9781	+136	+57 25 57.04	−20.015	+ 3
457	[γ Corvi]	2.78	B 8	12 12 6.028	+3.0834	−112	−17 8 32.19	−20.000	+ 17
458	[2 Can. ven.]	5.80	K 5	12 12 31.412	+3.0119	+ 26	+41 3 38.72	−20.060	− 45
459	β Chamael.	4.38	B 5	12 14 5.144	+3.4774	−143	−78 54 45.07	−19.995	+ 12
460	η Virginis	4.00	A 0	12 16 13.295	+3.0691	− 42	− 0 16 0.51	−20.017	− 23
461	[6 Can. ven.]	5.22	K 0	12 22 18.368	+2.9594	− 67	+39 25 4.51	−19.986	− 36
462	α Crucis med.	1.58 2.09	B 1	12 22 35.073	+3.3232	− 44	−62 42 2.32	−19.979	− 31
463	[Hydr. 323 G.]	5.68	A 0	12 23 3.679	+3.1567	− 14	−32 25 52.62	−19.992	− 49
464	[σ Centauri]	4.16	B 3	12 24 8.235	+3.2357	− 36	−49 49 55.63	−19.966	− 33
466	20 Comae	5.72	A 2	12 26 6.357	+3.0162	+ 26	+21 17 40.49	−19.953	− 39
465	δ Corvi	3.11	A 0	12 26 8.163	+3.1023	−145	−16 6 53.16	−20.056	−142
467	[74 Ursae maj.]	5.44	A 5	12 26 35.956	+2.8077	− 96	+58 48 6.11	−19.822	+ 88
468	[γ Crucis]	1.61	M b	12 27 9.609	+3.3160	+ 26	−56 42 37.11	−20.182	−278
469	[γ Muscae]	4.04	B 5	12 28 8.725	+3.5607	− 82	−71 44 8.08	−19.915	− 22
470	8 Can. ven.	4.32	G 0	12 30 19.679	+2.8530	−624	+41 44 54.26	−19.589	+280
472	κ Draconis	3.88	B 5 p	12 30 25.180	+2.5704	−117	+70 11 5.63	−19.861	+ 7
471	β Corvi	2.84	G 5	12 30 36.033	+3.1479	− 4	−22 59 55.69	−19.925	− 59
473	24 Comae seq.	5.18	K 0	12 31 31.190	+3.0108	+ 2	+18 46 23.52	−19.837	+ 18
474	α Muscae	2.94	B 3	12 32 52.304	+3.5582	− 56	−68 44 21.09	−19.870	− 32
475	[χ Virginis]	4.78	K 0	12 35 31.707	+3.0954	− 49	− 7 35 58.80	−19.841	− 37
476	γ Centauri	2.38	A 0	12 37 32.153	+3.2992	−205	−48 33 52.70	−19.796	− 20
477	[γ Virgin. med.]	3.65 3.68	F 0 F 0	12 38 0.648	+3.0394	−375	− 1 3 17.35	−19.764	+ 5
478	76 Ursae maj.	5.92	A 0	12 38 25.635	+2.6286	− 45	+63 6 29.30	−19.780	− 17
479	[Hydr. 330 G.]	5.73	K 2	12 40 9.977	+3.1938	− 26	−27 55 45.07	−19.787	− 50

Nr	Name	Gr.	Spektrum	AR. 1928.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1928.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
		M		h m s	s		° ' "	"	
480	[β Muscae]	3.26	B 3	12 41 50.765	+3.6596	− 53	−67 42 51.55	−19.742	− 31
481	β Crucis	1.50	B 1	12 43 30.020	+3.4915	− 59	−59 17 43.71	−19.711	− 27
482	*n* Centauri	4.34	A 5	12 49 26.448	+3.3156	+ 45	−39 47 15.99	−19.617	− 37
483	ε Ursae maj.	1.68	A o p	12 50 52.038	+2.6446	+137	+56 21 1.16	−19.564	− 11
484	δ Virginis	3.66	M a	12 51 58.548	+3.0214	−315	+ 3 47 17.88	−19.594	− 63
486	8 Draconis	5.27	F o	12 52 36.905	+2.3938	− 15	+65 49 43.61	−19.552	− 34
485	12 Can. ven. sq.	2.90	A o p	12 52 39.778	+2.8091	−199	+38 42 24.72	−19.467	+ 50
487	[δ Muscae]	3.63	K 2	12 57 17.326	+4.0947	+530	−71 9 39.57	−19.457	− 36
488	ε Virginis	2.95	K o	12 58 35.568	+2.9866	−185	+11 20 44.77	−19.375	+ 18
489	[ξ² Centauri]	4.40	B 3	13 2 41.798	+3.4924	− 35	−49 31 16.18	−19.329	− 30
490	θ Virginis	4.44	A o	13 6 13.196	+3.1048	− 24	− 5 9 18.27	−19.253	− 39
491	[17 Can. ven.]	6.04	F o	13 6 45.023	+2.7575	− 59	+38 52 51.87	−19.169	+ 32
492	43 Comae	4.32	G o	13 8 30.913	+2.8012	−602	+28 14 33.74	−18.277	+879
493	[η Muscae]	4.95	B 8	13 10 20.951	+4.0450	− 33	−67 30 49.16	−19.137	− 30
494	[20 Can. ven.]	4.66	F o	13 14 19.022	+2.6926	−107	+40 57 4.01	−18.992	+ 8
495	γ Hydrae	3.33	G 5	13 15 0.193	+3.2585	+ 51	−22 47 32.08	−19.034	− 53
496	ι Centauri	2.91	A 2	13 16 32.507	+3.3657	−294	−36 19 58.96	−19.029	− 92
497	ζ Urs. maj. pr.	2.40	A 2 p	13 21 1.812	+2.4190	+143	+55 18 3.43	−18.830	− 25
498	α Virginis	1.21	B 2	13 21 23.820	+3.1586	− 28	−10 47 9.71	−18.827	− 33
499	Grb 2001	6.07	K 5	13 24 17.767	+1.5274	+ 35	+72 45 54.16	−18.719	− 15
500	69 H. Urs. maj.	5.41	A o	13 25 48.717	+2.2045	−109	+60 19 2.23	−18.619	+ 37
501	ζ Virginis	3.44	A 2	13 31 1.363	+3.0559	−190	− 0 13 42.25	−18.450	+ 35
502	17 H. Can. ven.	4.96	F o	13 31 35.011	+2.6796	+ 64	+37 33 2.72	−18.479	− 13
503	[Chamael. 49 G.]	6.44	A o	13 32 59.565	+5.0809	− 49	−75 19 2.48	−18.431	− 14
504	ε Centauri	2.56	B 1	13 35 18.759	+3.7882	− 37	−53 6 3.94	−18.370	− 34
505	[Grb 2029]	5.67	K o	13 35 27.057	+1.4384	− 86	+71 36 30.24	−18.331	0
506	[*i* Centauri]	4.36	F 5	13 41 35.367	+3.4034	−371	−32 40 49.12	−18.264	−156
507	τ Bootis	4.51	F 5	13 43 50.435	+2.8509	−340	+17 48 53.74	−17.993	+ 28
509	η Ursae maj.	1.91	B 3	13 44 42.370	+2.3665	−119	+49 40 19.41	−18.009	− 20
508	[μ Centauri]	3.32	B 2 p	13 45 16.204	+3.6056	− 28	−42 6 56.11	−17.986	− 19
510	89 Virginis	5.11	K o	13 45 57.340	+3.2570	− 69	−17 46 34.05	−17.978	− 38
511	[*i* Draconis]	4.77	M a	13 49 19.764	+1.7524	0	+65 4 42.96	−17.809	− 2
512	ζ Centauri	3.06	B 2 p	13 51 2.214	+3.7317	− 70	−46 56 5.22	−17.798	− 61
513	η Bootis	2.80	G o	13 51 15.392	+2.8570	− 41	+18 45 28.73	−18.092	−364
514	[Cent. 294 G.]	4.68	K o	13 52 25.160	+4.3218	− 46	−63 20 4.22	−17.716	− 35
515	[47 Hydrae]	5.17	B 8	13 54 28.457	+3.3628	− 34	−24 37 17.69	−17.636	− 40
517	11 Bootis	6.12	A 3	13 57 54.655	+2.7214	− 57	+27 44 1.14	−17.442	+ 8
516	τ Virginis	4.34	A 2	13 57 58.845	+3.0524	+ 13	+ 1 53 31.87	−17.476	− 30
518	β Centauri	0.86	B 1	13 58 43.560	+4.2173	− 28	−60 1 36.06	−17.455	− 40
519	[π Hydrae]	3.48	K o	14 2 15.941	+3.4122	+ 30	−26 20 10.96	−17.412	−153

Nr.	Name	Gr.	Spektrum	AR. 1928.0	Jährl. Veränderung	Jährl. Eigenbew. in $0^s.0001$	Dekl. 1928.0	Jährl. Veränderung	Jährl. Eigenbew. in $0''.001$
		M		h m s	s		° ′ ″	″	
520	ϑ Centauri	2.26	K 0	14 2 26.237	+3.5236	− 439	−36 0 59.83	−17.782	− 530
521	α Draconis	3.64	A 0 p	14 2 26.333	+1.6238	− 83	+64 43 10.51	−17.235	+ 16
522	*d* Bootis	4.82	F 5	14 7 6.963	+2.7370	− 12	+25 25 55.24	−17.109	− 69
523	κ Virginis	4.31	K 0	14 9 3.116	+3.1983	+ 4	− 9 56 21.74	−16.815	+ 134
524	4 Ursae min.	5.00	K 0	14 9 6.011	−0.2629	− 113	+77 53 9.11	−16.915	+ 32
525	ι Virginis	4.16	F 5	14 12 14.155	+3.1437	− 13	− 5 39 27.88	−17.230	− 431
526	α Bootis	0.24	K 0	14 12 22.602	+2.7361	− 776	+19 33 23.58	−18.793	−2000
528	[ι Bootis]	4.78	A 5	14 13 37.023	+2.1255	− 159	+51 41 55.51	−16.647	+ 86
527	λ Bootis	4.26	A 0	14 13 38.876	+2.2819	− 177	+46 25 5.71	−16.580	+ 152
529	[υ Centauri]	4.41	B 5	14 15 16.780	+4.1732	− 47	−56 3 21.74	−16.692	− 39
530	[Circini 10 G.]	5.71	A 2 p	14 19 6.355	+4.9429	− 41	−67 52 9.47	−16.500	− 36
531	ϑ Bootis	4.06	F 8	14 22 44.777	+2.0429	− 256	+52 10 58.54	−16.685	− 404
532	[52 Hydrae]	5.00	B 8	14 23 57.005	+3.5083	− 28	−29 10 8.40	−16.249	− 30
533	[φ Virginis]	4.97	K 0	14 24 29.438	+3.0901	− 90	− 1 54 21.82	−16.198	− 7
534	ρ Bootis	3.78	K 0	14 28 43.643	+2.5860	− 76	+30 41 12.10	−15.857	+ 113
535	γ Bootis	3.00	F 0	14 29 10.771	+2.4166	− 93	+38 37 20.81	−15.802	+ 144
536	[Grb 2125]	6.18	F 0	14 29 45.499	+1.6287	− 58	+60 32 32.70	−15.897	+ 18
537	η Centauri	2.65	B 3 p + A 2 p	14 30 55.584	+3.8015	− 36	−41 50 33.23	−15.889	− 36
538	*α Centauri	0.33 1.70	G 0 K 5	14 34 41.691	+4.0631	−4880	−60 32 21.41	−14.939	+ 710
540	[33 Bootis]	5.39	A 0	14 36 9.471	+2.2328	− 67	+44 42 52.54	−15.594	− 26
539	[α Circini]	3.41	F 0	14 36 39.851	+4.8233	− 320	−64 39 46.19	−15.779	− 238
541	[α Lupi]	2.89	B 2	14 37 7.860	+3.9807	− 20	−47 4 49.27	−15.551	− 36
543	ζ Bootis med.	4.83 4.43	A 2	14 37 42.584	+2.8644	+ 37	+14 2 10.42	−15.510	− 27
542	α Apodis	3.81	K 5	14 38 49.729	+7.3557	− 56	−78 44 28.45	−15.455	− 35
544	[c^1 Centauri]	4.13	K 0	14 39 14.770	+3.6628	− 61	−34 51 53.25	−15.595	− 198
545	μ Virginis	3.95	F 5	14 39 15.783	+3.1598	+ 69	− 5 20 46.22	−15.723	− 326
546	[*b* Lupi]	5.20	K 0	14 41 58.392	+4.1843	− 24	−52 4 47.97	−15.336	− 92
547	109 Virginis	3.76	A 0	14 42 36.424	+3.0320	− 75	+ 2 11 42.91	−15.247	− 39
548	α Librae	2.90	A 3	14 46 53.475	+3.3158	− 77	−15 44 36.99	−15.034	− 74
549	Grb 2164	5.67	K 2	14 49 36.599	+1.5208	− 170	+59 35 9.52	−14.672	+ 129
550	β Ursae min.	2.24	K 5	14 50 53.780	−0.1931	− 78	+74 26 59.10	−14.718	+ 7
551	Pi XIV, 221	5.77	A 0	14 52 49.270	+2.8312	− 10	+14 44 10.37	−14.629	− 18
552	β Lupi	2.81	B 2 p	14 53 48.362	+3.9201	− 51	−42 50 42.82	−14.612	− 60
553	[κ Centauri]	3.35	B 3	14 54 28.134	+3.8955	− 21	−41 48 59.30	−14.545	− 33
554	[2 H. Urs. min.]	4.86	M b	14 56 25.891	+0.9475	− 147	+66 13 8.30	−14.359	+ 34
555	β Bootis	3.63	G 5	14 59 14.033	+2.2600	− 36	+40 40 25.18	−14.264	− 43
556	γ Scorpii	3.41	M b	14 59 51.050	+3.5075	− 57	−25 0 0.71	−14.238	− 55
557	ψ Bootis	4.67	K 0	15 1 21.612	+2.5707	− 131	+27 13 38.81	−14.105	− 15
558	ζ Lupi	3.50	K 0	15 7 5.995	+4.2982	− 133	−51 49 35.32	−13.800	− 73
559	[ι Librae]	4.66	A 0 p	15 8 6.763	+3.4163	− 32	−19 31 13.49	−13.711	− 47

Nr. 538. Schwerpunkt des Systems. Abstand vom Schwerpunkt nach den Elementen von **Lohse** in den Publ. d. Astrophys. Obs. Potsdam No. 58

heller Stern:	1928.0	$\Delta\alpha$ = $+0^s.414$	$\Delta\delta$ = $+1''.64$
	1929.0	= $+0.338$	= $+1.26$

Mittlere Sternörter 1928.0

Nr.	Name	Gr.	Spektrum	AR. 1928.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1928.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
		M		h m s	s		° ' "	"	
562	[3 Serpentis]	5.44	K o	15 11 36.522	+2.9813	— 12	+ 5 12 19.98	—13.444	— 7
561	[β Circini]	4.16	A 3	15 11 51.708	+4.6817	—130	—58 32 1.64	—13.570	— 149
560	γ Triang. austr.	3.06	A o	15 12 9.724	+5.5745	—101	—68 24 55.06	—13.439	— 37
563	δ Bootis	3.54	K o	15 12 36.004	+2.4192	+ 73	+33 34 57.07	—13.495	— 121
564	β Librae	2.74	B 8	15 13 7.780	+3.2265	— 64	— 9 7 6.18	—13.366	— 27
565	1 H. Urs. min.	5.23	G o	15 13 48.310	+0.6828	+387	+67 37 11.47	—13.690	— 395
566	φ^1 Lupi	3.59	K 5	15 17 13.820	+3.8008	— 82	—36 0 5.30	—13.164	— 95
569	γ Ursae min.	3.14	A 2	15 20 49.739	—0.1074	— 32	+72 5 24.66	—12.813	+ 16
568	μ Bootis	4.47 6.66	F o K o	15 21 46.201	+2.2663	—123	+37 37 43.73	—12.685	+ 80
570	[τ^1 Serpentis]	5.46	M a	15 22 26.969	+2.7819	— 11	+15 40 48.28	—12.743	— 24
571	ι Draconis	3.47	K o	15 23 19.535	+1.3332	— 5	+59 13 4.02	—12.646	+ 14
567	[$\varkappa^1$ Apodis]	5.65	B 5 p	15 23 37.671	+6.4960	+ 5	—73 8 31.06	—12.677	— 37
572	β Coron. bor.	3.72	F o p	15 24 51.621	+2.4739	—131	+29 21 10.55	—12.480	+ 76
573	ν^1 Bootis	5.15	K 5	15 28 20.562	+2.1549	+ 10	+41 4 39.58	—12.330	— 13
576	[ϑ Coron. bor.]	4.17	B 5	15 30 1.540	+2.4188	— 17	+31 36 3.92	—12.227	— 26
574	[ε Triang. austr.]	4.11	K o	15 30 6.474	+5.4664	+ 29	—66 4 36.62	—12.276	— 82
575	γ Lupi	2.95	B 3	15 30 20.059	+3.9905	— 26	—40 55 34.13	—12.219	— 39
577	γ Librae	4.02	K o	15 31 29.716	+3.3537	+ 43	—14 33 2.02	—12.095	+ 3
578	α Coron. bor.	2.31	A o	15 31 38.335	+2.5400	+ 93	+26 57 21.59	—12.186	— 98
579	[3 H. Scorpii]	3.78	K 2	15 32 38.874	+3.6379	— 11	—27 53 52.59	—12.028	— 11
580	[φ Bootis]	5.41	G 5	15 35 14.443	+2.1547	+ 58	+40 35 13.10	—11.784	+ 52
581	[γ Coron. bor.]	3.93	A o	15 39 43.135	+2.5196	— 74	+26 31 21.52	—11.483	+ 34
582	α Serpentis	2.75	K o	15 40 43.198	+2.9541	+ 91	+ 6 39 3.72	—11.403	+ 42
583	β Serpentis	3.74	A 2	15 42 51.831	+2.7687	+ 51	+15 38 45.68	—11.345	— 54
584	ϰ Serpentis	4.28	K 5	15 45 29.888	+2.7004	— 31	+18 21 46.06	—11.198	— 98
587	[12 H. Dracon.]	5.13	A 2	15 45 33.856	+0.9109	+ 55	+62 49 17.98	—11.156	— 61
585	μ Serpentis	3.63	A o	15 45 51.622	+3.1294	— 59	— 3 12 39.96	—11.105	— 32
586	[χ Lupi]	4.11	B 9	15 46 22.638	+3.8071	— 15	—33 24 32.77	—11.066	— 30
590	ζ Ursae min.	4.34	A 2	15 46 35.467	—2.1801	+ 60	+78 1 0.43	—11.021	— 1
588	ε Serpentis	3.75	A 2	15 47 13.513	+2.9895	+ 84	+ 4 41 35.86	—10.914	+ 59
589	β Triang. austr.	3.04	F o	15 48 46.924	+5.2695	—278	—63 12 37.04	—11.267	— 407
591	[γ Serpentis]	3.86	F 5	15 53 7.569	+2.7704	+213	+15 53 43.51	—11.833	—1294
592	[π Scorpii]	3.00	B 2	15 54 29.473	+3.6256	— 15	—25 54 29.92	—10.474	— 37
593	ε Coron. bor.	4.22	K o	15 54 36.338	+2.4831	— 61	+27 5 7.17	—10.496	— 68
594	δ Scorpii	2.54	B o	15 56 4.330	+3.5447	— 8	—22 25 5.69	—10.354	— 36
595	[Grb 2296]	4.96	A 5	15 56 4.754	+1.4208	—187	+54 57 9.44	—10.207	+ 111
598	ϑ Draconis	4.11	F 8	16 0 32.255	+1.1224	—402	+58 45 25.62	— 9.642	+ 339
597	β Scorpii	2.90 5.06	B 1	16 1 14.798	+3.4857	— 7	—19 36 35.15	— 9.955	— 27
596	[δ Normae]	4.84	A 3 p	16 1 23.671	+4.2328	— 5	—44 58 46.67	— 9.910	+ 6
599	[ϑ Lupi]	4.33	B 3	16 1 51.454	+3.9337	— 29	—36 36 27.97	— 9.922	— 41

Nr.	Name	Gr.	Spektrum	AR. 1928.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1928.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
		M		h m s	s		° ' "	"	
601	[φ Herculis]	4.26	B 9 p	16 6 30.016	+1.8898	— 23	+45 7 22.20	—9.495	+ 31
600	[κ Normae]	5.09	K o	16 7 47.229	+4.7187	— 42	—54 26 46.82	—9.492	— 65
602	[δ Triang. austr.]	4.03	G o	16 8 52.161	+5.4452	+ 8	—63 30 13.34	—9.369	— 26
603	δ Ophiuchi	3.03	M a	16 10 34.223	+3.1426	— 30	— 3 30 36.87	—9.361	—150
606	19 Ursae min.	5.51	B 8	16 12 51.177	—1.7332	— 4	+76 3 34.23	—9.021	+ 12
604	γ^2 Normae	4.14	K o	16 14 26.567	+4.4795	—190	—49 58 50.04	—8.970	— 61
605	ε Ophiuchi	3.34	K o	16 14 30.562	+3.1728	+ 53	— 4 31 6.06	—8.873	+ 31
607	[σ Scorpii]	3.08	B 1	16 16 48.481	+3.6436	— 11	—25 25 17.62	—8.757	— 33
608	τ Herculis	3.91	B 5	16 17 34.532	+1.8028	— 9	+46 29 2.47	—8.630	+ 32
609	γ Herculis	3.79	F o	16 18 44.561	+2.6457	— 36	+19 19 15.97	—8.531	+ 40
612	[η Ursae min.]	5.04	F o	16 19 35.186	—1.7743	—218	+75 55 19.08	—8.248	+256
610	[ζ Triang. austr.]	4.93	G o	16 20 41.934	+6.4280	+366	—69 55 28.53	—8.332	+ 84
613	[ω Herculis]	4.53	A o p	16 22 5.512	+2.7680	+ 28	+14 11 51.96	—8.373	— 68
611	γ Apodis	3.90	K o	16 22 21.087	+9.1456	—385	—78 44 19.55	—8.356	— 71
614	[Grb 2343]	5.66	A 2	16 22 50.755	+1.3113	+ 19	+55 22 5.66	—8.227	+ 18
615	η Draconis	2.89	G 5	16 23 0.709	+0.8094	— 28	+61 40 36.67	—8.171	+ 61
616	α Scorpii	1.22	M a + A 3	16 24 59.341	+3.6760	— 7	—26 16 25.41	—8.102	— 28
618	β Herculis	2.81	K o	16 27 7.432	+2.5786	— 69	+21 38 43.31	—7.923	— 21
617	[λ Ophiuchi]	3.85	A o	16 27 16.817	+3.0247	— 23	+ 2 8 24.32	—7.980	— 90
619	*A* Draconis	4.98	B 8 p	16 28 6.910	—0.1247	— 51	+68 55 26.24	—7.788	+ 35
620	[τ Scorpii]	2.91	B o	16 31 23.774	+3.7318	— 11	—28 4 5.54	—7.591	— 33
621	σ Herculis	4.25	A o	16 31 46.878	+1.9340	— 6	+42 35 4.73	—7.488	+ 38
622	ζ Ophiuchi	2.70	B o	16 33 11.520	+3.3021	+ 9	—10 25 21.47	—7.390	+ 22
623	[Grb 2373]	6.39	G 5	16 33 42.790	—2.6070	—320	+77 35 26.96	—7.095	+275
624	[24 Scorpii]	5.04	K o	16 37 24.358	+3.4678	— 18	—17 36 15.13	—7.071	— 3
626	η Herculis	3.61	K o	16 40 25.624	+2.0566	+ 35	+39 3 30.01	—6.905	— 84
625	α Triang. austr.	1.88	K 2	16 41 1.388	+6.3353	+ 32	—68 53 53.03	—6.820	— 49
627	Grb 2377	4.88	F o	16 43 55.761	+1.1370	+ 28	+56 54 35.77	—6.474	+ 58
628	ε Scorpii	2.36	K o	16 45 29.713	+3.8822	—501	—34 9 50.53	—6.657	—255
629	49 Herculis	6.41	A o p	16 48 48.118	+2.7309	+ 12	+15 5 37.56	—6.134	— 6
630	ζ^2 Scorpii	3.75	K 5	16 49 30.628	+4.2159	—134	—42 14 22.86	—6.306	—238
631	ζ Arae	3.06	K 5	16 52 39.255	+4.9575	— 30	—55 52 42.30	—5.853	— 48
632	[ε^1 Arae]	4.15	K 2	16 53 50.224	+4.7741	— 19	—53 3 6.67	—5.715	— 8
633	κ Ophiuchi	3.42	K o	16 54 15.544	+2.8388	—198	+ 9 29 8.54	—5.684	— 13
634	ε Herculis	3.92	A o	16 57 32.054	+2.2952	— 35	+31 1 53.03	—5.372	+ 24
635	[60 Herculis]	4.91	A 3	17 2 2.302	+2.7814	+ 34	+12 50 18.41	—5.030	— 15
636	[Grb 2415]	6.27	A 2	17 5 25.769	+1.9565	— 29	+40 36 33.62	—4.756	— 28
637	η Ophiuchi	2.63	A 2	17 6 14.801	+3.4389	+ 23	—15 38 14.06	—4.568	+ 90
638	[η Scorpii]	3.44	F 2	17 6 59.538	+4.2937	+ 17	—43 8 45.75	—4.893	—298
639	ζ Draconis	3.22	B 5	17 8 34.473	+0.1707	— 29	+65 48 11.58	—4.438	+ 22

Mittlere Sternörter 1928.0

Nr.	Name	Gr.	Spektrum	AR. 1928.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1928.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
				h m s	s		° ' "	"	
640	α Herculis	M 3.48 5.39	M b	17 11 21.808	+2.7349	− 8	+14 28 16.09	−4.193	+ 29
641	δ Herculis	3.16	A 2	17 12 4.413	+2.4640	− 15	+24 55 22.87	−4.320	−159
643	π Herculis	3.36	K 5	17 12 32.322	+2.0893	− 21	+36 53 21.69	−4.120	+ 1
642	[ι Apodis]	5.60	B 8	17 14 3.271	+6.6792	− 14	−70 3 0.62	−4.018	− 27
644	ϑ Ophiuchi	3.37	B 3	17 17 35.118	+3.6827	− 7	−24 55 45.15	−3.713	− 25
645	β Arae	2.80	K 2	17 19 18.585	+4.9827	− 14	−55 27 50.16	−3.582	− 42
646	[d Ophiuchi]	4.37	F 5	17 22 45.238	+3.8288	+ 6	−29 48 12.46	−3.388	−145
647	[27 H. Ophiuchi]	4.61	F 0	17 22 48.609	+3.1830	− 58	− 5 1 27.77	−3.289	− 51
648	δ Arae	3.79	B 8	17 24 35.668	+5.4117	− 70	−60 37 33.13	−3.185	−101
650	[x Herculis]	5.81	A 2	17 24 49.693	+1.5899	+ 2	+48 19 10.45	−3.083	− 19
649	[υ Scorpii]	2.80	B 3	17 25 51.838	+4.0750	− 24	−37 14 24.34	−3.014	− 39
651	α Arae	2.97	B 3 p	17 26 16.329	+4.6344	− 38	−49 49 16.07	−3.033	− 94
652	λ Scorpii	1.71	B 2	17 28 42.971	+4.0710	− 14	−37 3 10.58	−2.760	− 32
653	β Draconis	2.99	G 0	17 28 48.301	+1.3551	− 15	+52 21 14.48	−2.710	+ 10
655	[ν¹ Draconis]	4.98	A 5	17 30 45.456	+1.1811	+176	+55 13 58.26	−2.500	+ 51
657	[ν² Draconis]	4.95	A 5	17 30 50.881	+1.1823	+181	+55 13 17.07	−2.491	+ 52
656	α Ophiuchi	2.14	A 5	17 31 35.475	+2.7841	+ 80	+12 36 40.11	−2.712	−233
654	ϑ Scorpii	2.04	F 0	17 32 8.504	+4.3078	0	−42 57 14.05	−2.448	− 18
659	[f Draconis]	5.21	K 0	17 32 14.916	−0.2437	− 32	+68 10 51.57	−2.287	+134
658	ξ Serpentis	3.64	A 5	17 33 27.735	+3.4339	− 34	−15 21 17.04	−2.380	− 65
664	ω Draconis	4.87	F 5	17 37 22.213	−0.3530	+ 11	+68 47 29.02	−1.653	+323
663	ι Herculis	3.79	B 3	17 37 25.897	+1.6932	− 5	+46 2 37.48	−1.974	− 4
660	[κ Scorpii]	2.51	B 2	17 37 30.249	+4.1481	− 15	−38 59 40.26	−1.991	− 26
662	[μ Arae]	5.26	G 5	17 38 25.476	+4.7604	− 29	−51 47 51.73	−2.092	−208
661	η Pavonis	3.58	K 0	17 38 39.672	+5.8843	− 22	−64 41 29.79	−1.919	− 56
665	β Ophiuchi	2.94	K 0	17 39 54.891	+2.9631	− 27	+ 4 35 45.56	−1.601	+153
666	[ι¹ Scorpii]	3.14	F 5 p	17 42 32.771	+4.1938	− 10	−40 6 2.57	−1.528	− 3
670	ψ Draconis	4.90 6.07	F 5	17 43 12.871	−1.0712	+ 31	+72 11 4.72	−1.734	−267
667	μ Herculis	3.48	G 5	17 43 38.362	+2.3472	−241	+27 45 42.16	−2.181	−751
668	[γ Ophiuchi]	3.74	A 0	17 44 16.902	+3.0077	− 16	+ 2 43 58.82	−1.451	− 77
669	[G Scorpii]	3.25	K 2	17 44 57.341	+4.0826	+ 41	−37 1 19.34	−1.288	+ 26
671	ξ Draconis	3.90	K 0	17 52 17.011	+1.0374	+120	+56 53 0.41	−0.598	+ 77
675	35 Draconis	5.04	F 5	17 52 40.166	−2.6888	+113	+76 58 24.48	−0.400	+241
672	ϑ Herculis	3.99	K 0	17 53 46.995	+2.0571	+ 4	+37 15 32.81	−0.539	+ 5
676	γ Draconis	2.42	K 5	17 54 56.020	+1.3927	− 9	+51 29 48.07	−0.465	− 22
674	[ξ Herculis]	3.82	K 0	17 54 57.992	+2.3312	+ 66	+29 15 16.12	−0.466	− 25
673	ν Ophiuchi	3.50	K 0	17 55 3.714	+3.3021	− 7	− 9 45 58.19	−0.550	−118
677	67 Ophiuchi	3.92	B 5 p	17 57 2.308	+3.0044	0	+ 2 56 1.25	−0.272	− 13
679	γ Sagittarii	3.07	K 0	18 1 10.895	+3.8530	− 47	−30 25 35.90	−0.091	−194
678	[Apodis 66 G.]	5.69	K 5	18 1 11.034	+8.3869	− 45	−75 53 46.27	−0.166	−270

Nr.	Name	Gr.	Spektrum	AR. 1928.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1928.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
		M		h m s	s		° ′ ″	″	
680	72 Ophiuchi	3.73	A 3	18 3 56.138	+2.8439	— 42	+ 9 33 8.39	+0.423	+ 78
681	o Herculis	3.83	A 0	18 4 44.009	+2.3401	+ 2	+28 45 5.15	+0.414	0
682	μ Sagittarii	4.01	B 8 p	18 9 27.414	+3.5872	— 3	−21 4 45.30	+0.824	— 3
683	[η Sagittarii]	3.16	M b	18 12 45.256	+4.0587	— 117	−36 47 5.68	+0.952	−163
684	[Grb 2533]	5.42	B 5	18 13 24.361	+1.8655	— 6	+42 8 1.83	+1.165	— 7
685	[36 Draconis]	5.03	F 5	18 13 28.932	+0.3453	+ 533	+64 22 21.65	+1.209	+ 30
687	[δ Sagittarii]	2.84	K 0	18 16 23.068	+3.8408	+ 27	−29 51 37.09	+1.400	— 32
686	[ξ Pavonis]	4.25	K 2	18 16 35.448	+5.5279	— 26	−61 31 42.65	+1.467	+ 17
688	η Serpentis	3.42	K 0	18 17 35.021	+3.1036	— 372	— 2 55 8.01	+0.837	−699
689	ε Sagittarii	1.95	A 0	18 19 23.572	+3.9822	— 30	−34 25 12.89	+1.567	−127
690	109 Herculis	3.92	K 0	18 20 37.763	+2.5563	+ 140	+21 44 8.51	+1.545	−257
691	α Telescopii	3.76	B 3	18 21 38.096	+4.4488	— 21	−46 0 35.16	+1.842	— 48
693	[φ Draconis]	4.24	A 0 p	18 21 47.507	−0.8589	— 17	+71 17 59.28	+1.936	+ 33
695	χ Draconis	3.69	F 8	18 22 21.387	−1.0807	+1169	+72 42 7.26	+1.589	−363
694	*b* Draconis	4.85	A 2	18 22 51.563	+0.8764	— 45	+58 45 30.70	+2.054	+ 58
692	[λ Sagittarii]	2.94	K 0	18 23 31.614	+3.7021	— 37	−25 27 46.96	+1.866	−188
696	[2 H. Scuti]	4.73	A 3	18 25 5.611	+3.4189	— 3	−14 36 47.05	+2.193	+ 2
697	[ϑ Coron. austr.]	4.69	G 5	18 28 21.671	+4.2837	+ 15	−42 21 57.94	+2.450	— 24
700	[Grb 2655]	5.84	K 0	18 33 14.227	−2.8886	— 10	+77 29 31.39	+2.894	— 3
699	α Lyrae	0.14	A 0	18 34 30.027	+2.0314	+ 176	+38 42 56.49	+3.287	+281
698	ζ Pavonis	4.10	K 0	18 34 37.806	+7.0171	— 24	−71 29 33.94	+2.840	−178
701	[Grb 2640]	6.00	A 3	18 35 59.759	+0.1887	+ 18	+65 25 26.93	+3.220	+ 84
702	[5 H. Scuti]	5.09	G 5	18 39 35.987	+3.2673	+ 13	— 8 20 51.69	+3.456	+ 9
703	110 Herculis	4.26	F 5	18 42 33.752	+2.5812	— 12	+20 28 34.36	+3.361	−340
704	λ Pavonis	4.42	B 2	18 45 32.991	+5.5626	— 25	−62 16 20.35	+3.930	— 28
705	*β Lyrae	var.	B 8 p + B 2 p	18 47 25.285	+2.2149	+ 3	+33 16 41.32	+4.116	— 2
707	o Draconis	4.78	K 0	18 50 8.415	+0.8865	+ 105	+59 17 59.69	+4.375	+ 25
706	σ Sagittarii	2.14	B 3	18 50 48.078	+3.7200	+ 4	−26 23 15.98	+4.344	— 63
709	ϑ Serpent. pr.	4.50	A 5	18 52 38.407	+2.9823	+ 29	+ 4 6 30.80	+4.591	+ 28
708	λ Telescopii	5.03	B 9	18 52 42.338	+4.8020	+ 3	−53 2 4.03	+4.584	+ 14
711	**R* Lyrae	var.	M b	18 53 8.675	+1.8263	+ 28	+43 51 1.27	+4.683	+ 76
710	[ξ Sagittarii]	3.61	K 0	18 53 26.106	+3.5790	+ 18	−21 12 10.12	+4.615	— 16
714	[υ Draconis]	4.91	K 0	18 55 17.161	−0.7288	+ 103	+71 12 4.42	+4.829	+ 40
713	γ Lyrae	3.30	A 0 p	18 56 14.984	+2.2438	— 4	+32 35 23.19	+4.869	— 2
712	[ε Aquilae]	4.21	K 0	18 56 21.239	+2.7221	— 42	+14 58 9.33	+4.799	— 80
715	[ζ Sagittarii]	2.71	A 2	18 58 1.889	+3.8172	— 21	−29 59 4.32	+5.023	+ 2
716	ζ Aquilae	3.02	A 0	19 2 6.027	+2.7570	— 7	+13 45 18.64	+5.265	−101
717	λ Aquilae	3.55	B 9	19 2 25.688	+3.1837	— 16	— 4 59 30.57	+5.306	— 87
718	α Coron. austr.	4.12	A 2	19 4 34.507	+4.0823	+ 59	−38 1 6.01	+5.464	−109
719	[ι Lyrae]	5.13	B 5	19 4 43.933	+2.1407	— 3	+35 59 10.79	+5.583	— 3

Nr. 705. Größe: Max. 3.4, Min. 4.1 Nr. 711. Größe: Max. 4.0, Min. 4.7, Größe in Harvard 50 — 4.32

B*

Nr.	Name	Gr.	Spektrum	AR. 1928.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1928.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
		M		h m s	s		° ' "	"	
720	π Sagittarii	3.02	F 2	19 5 28.963	+3.5681	− 5	−21 8 22.35	+ 5.614	− 35
721	[Pavonis 60 G.]	5.57	A 2	19 9 58.313	+6.0440	− 7	−66 47 15.46	+ 6.004	− 21
723	δ Draconis	3.24	K 0	19 12 32.596	+0.0184	+ 167	+67 32 5.38	+ 6.327	+ 88
722	[*d* Sagittarii]	5.03	K 0	19 13 25.398	+3.5104	− 12	−19 4 56.64	+ 6.303	− 9
724	ϑ Lyrae	4.46	K 0	19 13 52.101	+2.0817	− 7	+38 0 16.34	+ 6.348	− 1
725	ω Aquilae	5.14	A 5	19 14 26.204	+2.8157	− 3	+11 27 51.70	+ 6.409	+ 13
726	κ Cygni	3.98	K 0	19 15 26.379	+1.3872	+ 69	+53 14 5.80	+ 6.599	+ 119
729	τ Draconis	4.63	K 0	19 16 56.876	−1.1445	− 326	+73 13 20.33	+ 6.714	+ 109
727	[υ Sagittarii]	4.58	B 8 p + F 2 p	19 17 36.295	+3.4365	0	−16 5 29.30	+ 6.656	− 2
728	α Sagittarii	4.11	B 8	19 18 54.009	+4.1586	+ 18	−40 45 10.60	+ 6.647	− 118
730	δ Aquilae	3.44	F 0	19 21 52.093	+3.0247	+ 167	+ 2 58 11.83	+ 7.090	+ 81
731	[Sagittar. 186 G.]	5.68	B 9	19 22 23.574	+3.7925	+ 7	−29 53 13.42	+ 7.005	− 47
734	[Grb 2900]	6.00	A 2	19 26 5.020	−3.5988	+ 96	+79 27 35.73	+ 7.318	− 35
732	*β Cygni	3.24	K 0 + A 0	19 27 49.033	+2.4190	− 2	+27 48 26.58	+ 7.486	− 8
733	ι Cygni	3.94	A 2	19 27 53.473	+1.5129	+ 22	+51 34 32.34	+ 7.625	+ 125
735	[ι Telescopii]	5.02	K 0	19 29 52.659	+4.4525	− 41	−48 15 21.66	+ 7.621	− 40
736	*h* Sagittarii	4.66	B 9	19 32 19.648	+3.6518	+ 46	−25 2 38.20	+ 7.836	− 22
737	[κ Aquilae]	5.04	B 0	19 33 1.140	+3.2280	+ 3	− 7 11 19.68	+ 7.914	0
738	ϑ Cygni	4.64	F 5	19 34 30.626	+1.6082	− 29	+50 3 12.73	+ 8.281	+ 247
740	[15 Cygni]	5.02	K 0	19 41 40.771	+2.1633	+ 59	+37 10 46.36	+ 8.640	+ 36
739	[ν Telescopii]	5.52	A 5	19 42 8.835	+4.9057	+ 86	−56 32 14.40	+ 8.504	− 137
742	δ Cygni	2.97	A 0	19 42 43.497	+1.8756	+ 51	+44 57 14.93	+ 8.726	+ 40
741	γ Aquilae	2.80	K 2	19 42 50.194	+2.8519	+ 9	+10 26 12.03	+ 8.695	0
743	δ Sagittae	3.78	M a + A 0	19 44 10.628	+2.6749	+ 4	+18 21 20.08	+ 8.814	+ 13
744	[51 Aquilae]	5.55	F 0	19 46 49.188	+3.3017	− 21	−10 56 50.47	+ 9.049	+ 41
745	α Aquilae	0.89	A 5	19 47 16.214	+2.9268	+ 360	+ 8 40 37.22	+ 9.426	+ 383
747	ε Draconis	3.99	K 0	19 48 25.548	−0.1948	+ 156	+70 5 4.27	+ 9.163	+ 30
746	*[η Aquilae]	var.	G 0 p	19 48 48.348	+3.0565	+ 6	+ 0 49 10.62	+ 9.154	− 9
749	β Aquilae	3.90	K 0	19 51 46.588	+2.9466	+ 25	+ 6 13 32.80	+ 8.913	− 480
748	ε Pavonis	4.10	A 0	19 52 17.577	+6.9691	+ 147	−73 6 10.38	+ 9.301	− 132
750	ψ Cygni	4.80	A 3	19 53 46.127	+1.5512	− 43	+52 14 49.69	+ 9.516	− 31
751	ϑ¹ Sagittarii	4.39	B 3	19 55 3.151	+3.9064	− 12	−35 28 20.90	+ 9.610	− 36
752	γ Sagittae	3.71	K 5	19 55 33.279	+2.6675	+ 43	+19 17 43.90	+ 9.708	+ 24
753	[*c* Sagittarii]	4.60	M b	19 58 14.007	+3.6907	+ 21	−27 54 40.87	+ 9.906	+ 18
754	δ Pavonis	3.64	G 5	20 1 40.743	+5.9027	+1963	−66 22 3.99	+ 8.988	−1161
755	[ξ Telescopii]	4.86	M a	20 1 52.512	+4.6019	− 44	−53 5 18.91	+10.162	− 2
756	ϑ Aquilae	3.37	A 0	20 7 35.430	+3.0955	+ 22	− 1 2 10.34	+10.597	+ 6
759	κ Cephei	4.40	B 9	20 11 20.686	−1.9886	+ 12	+77 29 43.26	+10.896	+ 27
757	ο¹ Cygni sq.	3.95	K 0 + B 8	20 11 21.862	+1.8892	+ 4	+46 31 19.82	+10.871	+ 1
758	[33 Cygni]	4.32	A 3	20 11 43.510	+1.3955	+ 74	+56 20 49.00	+10.982	+ 85

Nr. 732. Größe und Spektrum beziehen sich auf hellere Komponente. Die entsprechenden Werte für die schwächeren Komponente sind 5.36 und B9. Nr. 746. Größe: Max. 3.7, Min 4.5

Nr.	Name	Gr.	Spektrum	AR. 1928.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1928.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
		M		h m s	s		° ' "	"	
760	24 Vulpeculae	5.45	K 0	20 13 42.219	+2.5670	+ 12	+24 26 53.86	+11.022	− 19
761	α^2 Capricorni	3.77	G 5	20 14 3.683	+3.3294	+ 40	−12 46 8.86	+11.079	+ 11
762	[β Capricorni]	3.25	G 0 + A 0	20 16 58.053	+3.3713	+ 23	−15 0 35.74	+11.285	+ 6
763	[$\varkappa^1$ Sagittarii]	5.64	A 0	20 17 34.554	+4.0792	+ 37	−42 16 40.56	+11.227	− 96
765	γ Cygni	2.32	F 8 p	20 19 38.621	+2.1529	+ 4	+40 1 31.45	+11.472	0
764	α Pavonis	2.12	B 3	20 19 57.773	+4.7576	+ 11	−56 58 2.10	+11.409	− 85
766	[ρ Capricorni]	4.96	F 0	20 24 45.350	+3.4230	− 14	−18 3 10.15	+11.819	− 16
767	ϑ Cephei	4.28	A 5	20 28 22.600	+1.0094	+ 63	+62 45 6.08	+12.075	− 14
768	ε Delphini	3.98	B 5	20 29 46.391	+2.8661	+ 5	+11 3 26.90	+12.162	− 25
770	73 Draconis	5.18	A 2 p	20 32 28.687	−0.7707	+ 16	+74 42 29.36	+12.362	− 12
769	α Jndi	3.21	K 0	20 32 30.536	+4.2251	+ 33	−47 32 38.23	+12.436	+ 60
771	β Delphini	3.72	F 5	20 34 10.356	+2.8130	+ 74	+14 20 37.11	+12.453	− 36
772	[ϰ Delphini]	5.23	G 5	20 35 37.945	+2.9138	+ 212	+ 9 49 53.62	+12.608	+ 18
773	υ Capricorni	5.33	M a	20 35 57.206	+3.4165	− 17	−18 23 35.87	+12.595	− 16
774	α Delphini	3.86	B 8	20 36 17.627	+2.7865	+ 45	+15 39 25.21	+12.628	− 6
775	β Pavonis	3.60	A 5	20 38 29.503	+5.4289	− 71	−66 27 49.17	+12.785	+ 1
776	[η Jndi]	4.70	F 0	20 38 45.615	+4.4133	+ 157	−52 10 46.88	+12.728	− 73
777	α Cygni	1.33	A 2 p	20 38 58.610	+2.0450	+ 4	+45 1 20.18	+12.815	− 1
778	[δ Delphini]	4.53	A 5	20 40 5.849	+2.8008	− 14	+14 48 54.85	+12.843	− 48
779	[ψ Capricorni]	4.26	F 8	20 41 50.143	+3.5541	− 44	−25 31 51.07	+12.850	− 157
780	ε Cygni	2.64	K 0	20 43 17.845	+2.4274	+ 290	+33 41 59.00	+13.431	+ 328
782	[6 H. Cephei]	4.63	G 0	20 43 33.932	+1.4894	− 87	+57 19 14.89	+12.887	− 234
781	ε Aquarii	3.83	A 0	20 43 46.787	+3.2482	+ 17	− 9 45 37.25	+13.108	− 28
783	η Cephei	3.59	K 0	20 43 49.686	+1.2227	+ 131	+61 33 31.22	+13.958	+ 819
784	λ Cygni	4.47	B 5	20 44 36.188	+2.3363	+ 5	+36 13 31.44	+13.190	0
785	β Jndi	3.72	K 0	20 49 11.656	+4.7002	0	−58 43 37.76	+13.462	− 27
786	32 Vulpeculae	5.24	K 5	20 51 29.446	+2.5565	− 4	+27 46 58.59	+13.639	+ 1
788	ν Cygni	4.04	A 0	20 54 29.281	+2.2361	+ 9	+40 53 20.88	+13.811	− 17
787	[α Octantis]	5.24	F 2	20 56 3.260	+7.3360	− 14	−77 18 0.83	+13.572	− 355
789	[11 Aquarii]	6.26	G 0	20 56 46.410	+3.1592	+ 23	− 5 0 33.77	+13.840	− 133
790	ζ Microscopii	5.35	F 0	20 58 22.197	+3.8375	− 36	−38 54 49.96	+13.951	− 122
792	[ξ Cygni]	3.92	K 5	21 2 18.680	+2.1821	+ 12	+43 38 23.30	+14.313	− 3
791	[A Capricorni]	4.60	M a	21 2 55.155	+3.5107	− 30	−25 17 41.20	+14.306	− 47
793	61 Cygni pr.	5.57	K 5	21 3 40.068	+2.6867	+3505	+38 23 40.29	+17.654	+3256
794	ν Aquarii	4.52	K 0	21 5 40.455	+3.2693	+ 62	−11 39 50.99	+14.511	− 9
795	Br 2777	5.90	B 9	21 6 58.284	−1.1677	+ 74	+77 50 5.27	+14.634	+ 36
797	ζ Cygni	3.40	K 0	21 9 52.251	+2.5526	− 1	+29 55 50.76	+14.712	− 59
798	[Grb 3415]	5.65	B 2	21 9 58.299	+1.5277	− 6	+59 41 23.91	+14.775	− 2
796	[Jndi 23 G.]	5.84	A 5	21 10 37.709	+4.2902	− 19	−53 33 45.37	+14.769	− 46
799	[τ Cygni]	3.82	F 0	21 11 54.951	+2.3942	+ 137	+37 44 14.48	+15.326	+ 435

Mittlere Sternörter 1928.0

Nr.	Name	Gr.	Spektrum	AR. 1928.0	Jährl. Verände-rung	Jährl. Eigen-bew. in 0s.0001	Dekl. 1928.0	Jährl. Verände-rung	Jährl. Eigen-bew. in 0″.001
		M		h m s	s		° ′ ″	″	
800	α Equulei	4.14	F 8 + A 3	21 12 13.514	+2.9993	+ 38	+ 4 56 57.24	+14.822	— 87
801	[4 Pisc. austr.]	4.79	A 0	21 13 34.579	+3.6410	+ 35	—32 28 28.00	+14.961	— 26
802	[ϑ¹ Microscop.]	4.92	A 2 p	21 16 9.755	+3.8445	+ 70	—41 6 53.03	+15.151	+ 14
803	α Cephei	2.60	A 5	21 16 51.732	+1.4329	+ 212	+62 16 48.24	+15.227	+ 49
804	1 Pegasi	4.24	K 0	21 18 45.365	+2.7742	+ 74	+19 29 44.06	+15.346	+ 61
805	γ Pavonis	4.30	F 8	21 20 30.681	+4.9825	+ 129	—65 41 36.20	+16.172	+ 788
806	ζ Capricorni	3.86	G 5 p	21 22 33.587	+3.4276	— 1	—22 43 27.08	+15.521	+ 23
807	[*g* Cygni]	5.34	K 0	21 26 47.470	+2.2133	+ 48	+46 13 20.71	+15.833	+ 103
809	β Cephei	3.32	B 1	21 27 44.310	+0.7808	+ 20	+70 14 39.87	+15.788	+ 7
808	β Aquarii	3.07	G 0	21 27 46.191	+3.1589	+ 11	— 5 53 19.58	+15.778	— 5
810	ν Octantis	3.74	K 0	21 33 32.072	+6.7452	+ 133	—77 42 41.12	+15.832	— 256
811	74 Cygni	5.09	A 5	21 34 3.681	+2.4037	— 3	+40 5 21.78	+16.128	+ 12
812	[γ Capricorni]	3.80	F 0 p	21 36 6.273	+3.3257	+ 131	—16 59 17.95	+16.206	— 16
813	[13 H. Cephei]	5.64	Oe 5	21 36 43.580	+1.8618	+ 7	+57 9 46.69	+16.256	+ 2
815	ε Pegasi	2.54	K 0	21 40 38.973	+2.9464	+ 18	+ 9 32 38.69	+16.451	0
814	[ι Pisc.austr.]	4.35	A 0	21 40 39.744	+3.5771	+ 18	—33 21 18.43	+16.363	— 89
817	[11 Cephei]	4.85	K 0	21 40 52.398	+0.8849	+ 234	+70 58 46.75	+16.561	+ 98
816	[κ Pegasi]	4.27	F 5	21 41 23.007	+2.7159	+ 25	+25 18 48.05	+16.498	+ 10
818	[λ Capricorni]	5.43	A 0	21 42 39.695	+3.2309	+ 20	—11 41 55.53	+16.548	— 4
819	δ Capricorni	2.98	A 5	21 43 4.150	+3.3127	+ 178	—16 27 17.41	+16.278	— 294
821	π² Cygni	4.26	B 3	21 44 7.893	+2.2156	+ 8	+48 58 32.73	+16.620	— 4
820	[ο Jndi]	5.50	K 2	21 44 43.347	+5.1038	— 87	—69 57 56.78	+16.632	— 21
822	γ Gruis	3.16	B 8	21 49 34.449	+3.6371	+ 77	—37 42 15.67	+16.867	— 18
823	16 Pegasi	5.05	B 3	21 49 47.088	+2.7290	+ 4	+25 35 8.54	+16.897	+ 1
824	[δ Jndi]	4.56	F 0	21 53 1.722	+4.0938	+ 43	—55 20 9.85	+17.017	— 29
826	[20 Pegasi]	5.66	F 2	21 57 34.848	+2.9222	+ 36	+12 46 27.46	+17.198	— 54
825	[ε Jndi]	4.74	K 5	21 57 51.947	+4.6026	+4810	—57 4 58.65	+14.687	—2578
827	α Aquarii	3.19	G 0	22 2 5.189	+3.0815	+ 10	— 0 40 13.17	+17.443	— 7
828	ι Aquarii	4.35	B 8	22 2 33.044	+3.2413	+ 24	—14 13 10.76	+17.418	— 51
830	20 Cephei	5.39	K 5	22 2 49.128	+1.8225	+ 22	+62 26 2.26	+17.541	+ 60
831	[ι Pegasi]	3.96	F 5	22 3 39.456	+2.7919	+ 219	+24 59 33.94	+17.539	+ 22
829	α Gruis	2.16	B 5	22 3 42.205	+3.7887	+ 119	—47 18 38.56	+17.347	— 171
832	[μ Pisc. austr.]	4.62	A 2	22 4 11.159	+3.5025	+ 41	—33 20 26.39	+17.498	— 41
833	[27 Pegasi]	5.65	K 0	22 6 2.117	+2.6575	— 42	+32 49 12.04	+17.552	— 65
834	ϑ Pegasi	3.70	A 2	22 6 34.078	+3.0263	+ 184	+ 5 50 34.69	+17.670	+ 31
835	π Pegasi	4.38	F 5	22 6 47.258	+2.6633	— 9	+32 49 27.58	+17.629	— 19
836	ζ Cephei	3.62	K 0	22 8 21.203	+2.0792	+ 14	+57 50 45.09	+17.719	+ 6
837	24 Cephei	4.99	G 5	22 8 25.625	+1.1558	+ 54	+71 59 10.70	+17.724	+ 8
838	[λ Pisc.austr.]	5.40	B 9	22 10 14.150	+3.4036	+ 16	—28 7 28.25	+17.788	— 1
839	[ε Octantis]	5.11	M b	22 12 2.798	+6.8304	+ 137	—80 47 57.57	+17.821	— 40

Nr.	Name	Gr.	Spektrum	AR. 1928.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1928.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
		M		h m s	s		° ′ ″	″	
840	ϑ Aquarii	4.32	K 0	22 13 2.149	+3.1665	+ 76	− 8 8 32.77	+17.882	− 19
841	α Tucanae	2.91	K 2	22 13 35.057	+4.1259	− 98	−60 37 9.59	+17.873	− 49
842	γ Aquarii	3.97	A 0	22 17 56.280	+3.0988	+ 83	− 1 45 2.94	+18.096	+ 7
843	[31 Pegasi]	4.93	B 3 p	22 17 58.379	+2.9521	− 1	+11 50 30.59	+18.100	+ 9
844	3 Lacertae	4.58	K 0	22 20 43.510	+2.3569	− 15	+51 52 4.00	+18.003	−191
845	[ν Gruis]	5.48	K 0	22 24 26.318	+3.5213	+ 24	−39 29 48.18	+18.165	−162
846	[δ¹ Gruis]	4.02	G 5	22 24 58.361	+3.5920	+ 17	−43 51 50.75	+18.338	− 8
847	*[δ Cephei]	var.	verän.	22 26 29.627	+2.2245	+ 17	+58 2 46.41	+18.401	+ 2
848	7 Lacertae	3.85	A 0	22 28 19.297	+2.4693	+ 147	+49 54 42.63	+18.479	+ 17
849	[υ Aquarii]	5.29	F 5	22 30 45.509	+3.2839	+ 155	−21 4 39.38	+18.400	−144
850	η Aquarii	4.13	B 8	22 31 39.425	+3.0830	+ 59	− 0 29 21.03	+18.518	− 55
851	[31 Cephei]	5.22	F 0	22 33 59.403	+1.4817	+ 383	+73 16 8.90	+18.673	+ 23
852	10 Lacertae	4.91	Oe 5	22 36 1.651	+2.6901	+ 4	+38 40 30.20	+18.708	− 6
853	[30 Cephei]	5.21	A 2	22 36 5.584	+2.1255	+ 1	+63 12 35.41	+18.695	− 22
854	[ε Pisc.austr.]	4.22	B 8	22 36 40.591	+3.3206	+ 12	−27 25 10.64	+18.737	+ 2
855	ζ Pegasi	3.61	B 8	22 37 52.223	+2.9917	+ 53	+10 27 17.91	+18.758	− 13
856	β Gruis	2.24	M b	22 38 22.465	+3.5888	+ 117	−47 15 42.81	+18.761	− 25
857	η Pegasi	3.10	G 0	22 39 37.472	+2.8107	+ 12	+29 50 38.82	+18.791	− 33
858	[13 Lacertae]	5.24	K 0	22 40 52.595	+2.6730	− 6	+41 26 27.41	+18.867	+ 5
859	λ Pegasi	4.14	K 0	22 43 3.658	+2.8884	+ 41	+23 11 10.61	+18.916	− 10
860	ε Gruis	3.69	A 2	22 44 12.806	+3.6318	+ 96	−51 41 45.77	+18.885	− 73
861	[τ Aquarii]	4.21	K 5	22 45 46.895	+3.1775	− 12	−13 58 23.04	+18.970	− 33
862	[μ Pegasi]	3.67	K 0	22 46 31.562	+2.8944	+ 109	+24 13 15.49	+18.983	− 41
863	ι Cephei	3.68	K 0	22 47 6.701	+2.1307	− 114	+65 49 17.09	+18.917	−123
864	λ Aquarii	3.84	M a	22 48 51.560	+3.1304	+ 5	− 7 57 47.45	+19.125	+ 38
865	ρ Indi	6.14	G 0	22 49 40.414	+4.2000	− 101	−70 27 32.07	+19.170	+ 62
866	δ Aquarii	3.51	A 2	22 50 49.856	+3.1849	− 33	−16 12 14.84	+19.119	− 19
867	α Pisc. austr.	1.29	A 3	22 53 40.522	+3.3178	+ 247	−30 0 15.10	+19.052	−159
868	[ζ Gruis]	4.18	G 5	22 56 38.285	+3.5514	− 80	−53 8 26.52	+19.268	− 16
869	ο Androm.	3.63	B 5 + A 2 p	22 58 36.258	+2.7575	+ 25	+41 56 18.85	+19.317	− 13
870	β Pegasi	2.61	M a	23 0 16.867	+2.9067	+ 145	+27 41 30.72	+19.505	+138
871	α Pegasi	2.57	A 0	23 1 10.360	+2.9872	+ 41	+14 49 2.95	+19.347	− 41
872	ϑ Gruis	4.35	F 5	23 2 49.721	+3.3853	− 52	−43 54 35.43	+19.386	− 38
874	π Cephei	4.56	G 5	23 5 36.143	+1.9032	+ 29	+74 59 53.16	+19.457	− 25
873	c² Aquarii	3.80	K 0	23 5 36.593	+3.2002	+ 32	−21 33 48.78	+19.519	+ 36
875	Br 3077	5.65	K 2	23 9 48.507	+2.8829	+2532	+56 46 13.93	+19.862	+296
876	[Tucanae 25 G.]	5.69	G 0	23 12 38.654	+3.6202	+ 231	−62 23 39.37	+19.565	− 53
877	γ Tucanae	4.10	F 2	23 13 14.206	+3.5111	− 59	−58 37 50.74	+19.711	+ 82
878	[γ Piscium]	3.85	K 0	23 13 25.937	+3.1095	+ 503	+ 2 53 18.74	+19.650	+ 18
879	γ Sculptoris	4.51	K 0	23 14 56.397	+3.2429	+ 10	−32 55 28.42	+19.591	− 68

Nr. 847. Spektrum wechselt von F 5 bis G 0.

Nr.	Name	Gr.	Spektrum	AR. 1928.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1928.0	Jährl. Veränderung	Jährl. Eigenbew. in 0″.001
		M		h m s	s		° ′ ″	″	
880	τ Pegasi	4.65	A 5	23 17 4.235	+2.9676	+ 21	+23 20 45.19	+19.680	— 13
882	4 Cassiopeiae	5.20	K 5	23 21 37.862	+2.6578	+ 17	+61 53 14.26	+19.754	— 10
881	[υ Pegasi]	4.57	G 0	23 21 46.985	+2.9925	+138	+23 0 26.81	+19.802	+ 35
883	[ο Gruis]	5.54	F 0	23 22 35.129	+3.3620	— 4	—53 7 13.75	+19.897	+119
884	κ Piscium	4.94	A 2 p	23 23 14.479	+3.0753	+ 56	+ 0 51 40.34	+19.694	— 93
885	70 Pegasi	4.67	K 0	23 25 30.694	+3.0328	+ 38	+12 21 47.01	+19.846	+ 28
886	[β Sculptoris]	4.46	B 9	23 29 6.866	+3.2208	+ 65	—38 13 0.39	+19.877	+ 14
887	[72 Pegasi]	5.21	K 2	23 30 22.638	+2.9737	+ 40	+30 55 40.00	+19.865	— 12
888	[Aquarii 248 G.]	6.51	K 0	23 31 49.257	+3.0950	— 5	— 7 51 47.03	+19.916	+ 23
889	[Phoenicis 11 G.]	4.86	A 2	23 33 58.715	+3.2338	+ 47	—45 53 28.57	+19.878	— 37
890	[λ Androm.]	4.00	K 0	23 34 2.027	+2.9316	+156	+46 4 4.29	+19.493	—423
891	ι Androm.	4.28	B 8	23 34 35.966	+2.9383	+ 27	+42 52 9.27	+19.917	— 5
892	ι Piscium	4.28	F 8	23 36 14.753	+3.0849	+247	+ 5 14 8.89	+19.497	—440
893	γ Cephei	3.42	K 0	23 36 22.664	+2.4478	—184	+77 13 49.72	+20.095	+157
894	ω² Aquarii	4.62	A 0	23 38 59.393	+3.1120	+ 65	—14 56 35.30	+19.898	— 63
895	41 H. Cephei	5.02	A 0	23 44 27.329	+2.8575	+ 23	+67 24 24.13	+20.000	+ 1
896	Lac. δ Sculpt.	4.64	A 0	23 45 10.684	+3.1269	+ 71	—28 31 42.91	+19.898	—105
897	[Aquarii 268 G.]	6.08	K 0	23 46 31.821	+3.0958	+ 86	—10 22 33.89	+20.096	+ 86
898	φ Pegasi	5.23	M a	23 48 49.330	+3.0500	— 8	+18 43 13.03	+19.981	— 39
899	[ρ Cassiopeiae]	4.85	F 8 p	23 50 46.602	+2.9890	— 7	+57 5 55.69	+20.032	+ 4
900	[27 Piscium]	5.07	K 0	23 54 59.207	+3.0712	— 37	— 3 57 19.69	+19.971	— 68
901	[π Phoenicis]	5.14	K 0	23 55 12.183	+3.1131	+ 30	—53 8 53.85	+20.086	+ 46
902	ω Piscium	4.03	F 5	23 55 36.759	+3.0799	+100	+ 6 27 52.84	+19.931	—109
903	ε Tucanae	4.71	B 9	23 56 11.138	+3.1292	+ 64	—65 58 40.10	+20.009	— 33
904	[ϑ Octantis]	4.73	K 0	23 57 54.954	+3.1056	—219	—77 27 47.61	+19.873	—171

Nr.	Name	Gr.	Spektrum	AR. 1928.0	Jährl. Veränderung	Jährl. Eigenbew. in 0ˢ.001	Dekl. 1928.0	Jährl. Veränderung	Jährl. Eigenbew. in 0″.001

Nördliche Polsterne

Nr.	Name	Gr.	Spektrum	AR. 1928.0	Jährl. Veränderung	Jährl. Eigenbew.	Dekl. 1928.0	Jährl. Veränderung	Jährl. Eigenbew.
		M		h m s	s		° ′ ″	″	
Na	43 H. Cephei	4.52	K 0	0 58 34.49	+ 7.829	+ 75	+85 52 18.64	+19.392	— 1
Nb	α Ursae min.	2.12	F 8	1 35 48.14	+31.956	+151	+88 55 6.05	+18.319	+ 1
Nc	*Grb 750	6.70	F 8	4 13 17.51	+17.814	+ 16	+85 21 50.49	+ 9.031	+ 32
Nd	51 H. Cephei	5.26	M a	7 7 23.58	+28.845	— 51	+87 9 52.61	— 5.845	— 35
Ne	1 H. Dracon.	4.58	K 2	9 26 57.87	+ 8.702	— 6	+81 38 48.66	—15.760	— 20
Nf	[30 H. Camel.]	5.34	F 2	10 22 27.44	+ 7.473	— 46	+82 55 34.52	—18.225	+ 31
Ng	ε Ursae min.	4.40	G 5	16 53 16.98	— 6.214	+ 7	+82 9 30.30	— 5.747	+ 6
Nh	δ Ursae min.	4.44	A 0	17 55 26.87	—19.491	+ 15	+86 36 49.37	— 0.341	+ 57
Ni	λ Ursae min.	6.55	M b	18 49 14.76	—74.304	— 98	+89 1 55.70	+ 4.280	+ 7
Nk	76 Draconis	5.69	A 0	20 47 54.44	— 4.226	+ 16	+82 15 58.01	+13.434	+ 27

Nr. Nc Größe aus Harvard 54 entnommen.

Südliche Polsterne

Nr.	Name	Gr.	Spektrum	AR. 1928.0	Jährl. Veränderung	Jährl. Eigenbew.	Dekl. 1928.0	Jährl. Veränderung	Jährl. Eigenbew.
		M		h m s	s		° ′ ″	″	
Sa	Octantis 4 G.	5.63	K 0	1 41 22.13	— 3.627	+ 18	—85 8 1.75	+18.150	+ 34
Sb	[ξ Mensae]	5.85	K 0	5 7 0.25	— 6.905	— 4	—82 34 9.55	+ 4.608	+ 14
Sc	ζ Octantis	5.38	F 0	9 7 28.41	— 8.320	— 94	—85 22 38.15	—14.579	+ 49
Sd	ι Octantis	5.38	K 0	12 47 13.68	+ 6.081	+ 42	—84 43 58.10	—19.595	+ 25
Se	Octantis 20 G.	6.52	A 2	14 51 3.35	+27.166	—183	—87 51 34.46	—14.785	— 69
Sf	Octantis 26 G.	6.13	A 0	16 33 41.13	+21.982	+ 5	—86 14 20.97	— 7.374	— 2
Sg	χ Octantis	5.22	K 0	18 12 44.94	+35.668	— 87	—87 39 44.14	+ 0.986	—129
Sh	σ Octantis	5.48	F 0	19 44 34.22	+89.053	+110	—89 11 58.71	+ 8.832	+ 1
Si	β Octantis	4.34	F 0	22 38 48.32	+ 6.248	— 26	—81 45 35.75	+18.802	+ 3
Sk	τ Octantis	5.56	K 0	23 17 58.01	+ 9.671	+ 20	—87 52 41.56	+19.724	+ 15

Von den Sternen, deren Namen eingeklammert sind, folgen keine Ephemeriden.

Scheinbare Sternörter 1928

Tag	1) α Andromedae AR.		1) α Andromedae Dekl.		2) β Cassiopeiae AR.		2) β Cassiopeiae Dekl.		3) ε Phoenicis AR.		3) ε Phoenicis Dekl.		7) γ Pegasi AR.		7) γ Pegasi Dekl.	
1928	$0^h\ 4^m$		$+28°\ 41'$		$0^h\ 5^m$		$+58°\ 44'$		$0^h\ 5^m$		$-46°\ 8'$		$0^h\ 9^m$		$+14°\ 46'$	
Jan. 0	$38^s.438$	140	$36''.73$	89	$17^s.934$	321	$79''.73$	69	$44^s.494$	190	$63''.51$	34	$30^s.347$	115	$57''.17$	81
10	38.298	134	35.84	115	17.613	309	79.04	120	44.304	173	63.17	80	30.232	111	56.36	92
20	38.164	123	34.69	136	17.304	286	77.84	168	44.131	153	62.37	124	30.121	100	55.44	99
30	38.041	104	33.33	151	17.018	250	76.16	207	43.978	127	61.13	165	30.021	86	54.45	103
Feb. 9	37.937	80	31.82	160	16.768	201	74.09	238	43.851	94	59.48	202	29.935	66	53.42	100
19	37.857	49	30.22	162	16.567	142	71.71	260	43.757	57	57.46	235	29.869	40	52.42	93
29	37.808	13	28.60	155	16.425	74	69.11	270	43.700	15	55.11	262	29.829	8	51.49	81
März 10	37.795	29	27.05	141	16.351	2	66.41	268	43.685	31	52.49	284	29.821	29	50.68	62
20	37.824	74	25.64	120	16.353	81	63.73	255	43.716	80	49.65	301	29.850	68	50.06	39
30	37.898	120	24.44	92	16.434	161	61.18	233	43.796	132	46.64	311	29.918	109	49.67	13
Apr. 9	38.018	167	23.52	59	16.595	238	58.85	200	43.928	183	43.53	315	30.027	152	49.54	18
19	38.185	212	22.93	23	16.833	310	56.85	160	44.111	234	40.38	313	30.179	194	49.72	49
29	38.397	252	22.70	17	17.143	373	55.25	114	44.345	281	37.25	304	30.373	231	50.21	81
Mai 9	38.649	286	22.87	55	17.516	426	54.11	63	44.626	324	34.21	289	30.604	263	51.02	112
19	38.935	315	23.42	94	17.942	466	53.48	10	44.950	361	31.32	267	30.867	291	52.14	140
29	39.250	334	24.36	131	18.408	493	53.38	43	45.311	388	28.65	238	31.158	311	53.54	165
Juni 8	39.584	344	25.67	164	18.901	507	53.81	94	45.699	408	26.27	204	31.469	322	55.19	187
18	39.928	346	27.31	192	19.408	506	54.75	144	46.107	416	24.23	165	31.791	325	57.06	202
28	40.274	338	29.23	216	19.914	492	56.19	190	46.523	414	22.58	122	32.116	320	59.08	214
Juli 8	40.612	323	31.39	234	20.406	466	58.09	230	46.937	402	21.36	76	32.436	307	61.22	219
18	40.935	299	33.73	247	20.872	429	60.39	266	47.339	378	20.60	28	32.743	286	63.41	219
28	41.234	269	36.20	253	21.301	383	63.05	295	47.717	345	20.32	20	33.029	260	65.60	215
Aug. 7	41.503	235	38.73	254	21.684	330	66.00	317	48.062	304	20.52	67	33.289	228	67.75	205
17	41.738	196	41.27	250	22.014	271	69.17	333	48.366	256	21.19	110	33.517	193	69.80	191
27	41.934	155	43.77	242	22.285	209	72.50	343	48.622	202	22.29	148	33.710	155	71.71	175
Sept. 6	42.089	115	46.19	229	22.494	145	75.93	344	48.824	146	23.77	181	33.865	117	73.46	156
16	42.204	74	48.48	212	22.639	81	79.37	340	48.970	88	25.58	207	33.982	79	75.02	134
25	42.278	35	50.60	191	22.720	19	82.77	329	49.058	32	27.65	223	34.061	43	76.36	112
Okt. 5	42.313	1	52.51	169	22.739	41	86.06	310	49.090	21	29.88	230	34.104	11	77.48	89
15	42.314	31	54.20	143	22.698	96	89.16	286	49.069	69	32.18	228	34.115	19	78.37	67
25	42.283	59	55.63	116	22.602	148	92.02	254	49.000	110	34.46	214	34.096	43	79.04	45
Nov. 4	42.224	82	56.79	86	22.454	194	94.56	217	48.890	143	36.60	193	34.053	65	79.49	23
14	42.142	102	57.65	56	22.260	234	96.73	174	48.747	169	38.53	163	33.988	82	79.72	1
24	42.040	118	58.21	24	22.026	268	98.47	127	48.578	187	40.16	127	33.906	95	79.73	18
Dez. 4	41.922	128	58.45	8	21.758	293	99.74	75	48.391	196	41.43	85	33.811	105	79.55	38
14	41.794	135	58.37	39	21.465	311	100.49	22	48.195	198	42.28	40	33.706	111	79.17	55
24	41.659	138	57.98	70	21.154	318	100.71	34	47.997	194	42.68	7	33.595	113	78.62	70
34	41.521		57.28		20.836		100.37		47.803		42.61		33.482		77.92	
Mittl. Ort	39.699		34.65		19.445		69.58		45.621		41.48		31.532		59.71	
sec δ, tg δ	1.140		+0.548		1.928		+1.648		1.443		−1.041		1.034		+0.264	

Tag	9) ι Ceti AR.		9) ι Ceti Dekl.		10) ζ Tucanae AR.		10) ζ Tucanae Dekl.		11) β Hydri AR.		11) β Hydri Dekl.		12) α Phoenicis AR.		12) α Phoenicis Dekl.	
1928	0h 15m		−9° 13'		0h 16m		−65° 17'		0h 21m		−77° 39'		0h 22m		−42° 41'	
Jan. 0	44.475	108	33.82	53	18.80	38	78.35	78	59.06	87	61.56	101	42.705	180	70.81	9
10	44.367	103	34.35	39	18.42	36	77.57	134	58.19	81	60.55	161	42.525	171	70.72	54
20	44.264	94	34.74	22	18.06	32	76.23	187	57.38	73	58.94	215	42.354	155	70.18	97
30	44.170	80	34.96	4	17.74	28	74.36	234	56.65	63	56.79	263	42.199	134	69.21	139
Feb. 9	44.090	61	35.00	16	17.46	22	72.02	275	56.02	52	54.16	304	42.065	106	67.82	176
19	44.029	37	34.84	37	17.24	15	69.27	310	55.50	39	51.12	337	41.959	73	66.06	211
29	43.992	8	34.47	60	17.09	8	66.17	336	55.11	24	47.75	363	41.886	36	63.95	241
März 10	43.984	25	33.87	84	17.01	1	62.81	356	54.87	9	44.12	378	41.850	7	61.54	266
20	44.009	62	33.03	107	17.00	7	59.25	367	54.78	6	40.34	387	41.857	54	58.88	286
30	44.071	102	31.96	131	17.07	16	55.58	372	54.84	21	36.47	387	41.911	102	56.02	300
Apr. 9	44.173	142	30.65	153	17.23	23	51.86	368	55.05	37	32.60	379	42.013	154	53.02	308
19	44.315	182	29.12	173	17.46	32	48.18	357	55.42	52	28.81	362	42.167	204	49.94	311
29	44.497	219	27.39	191	17.78	39	44.61	337	55.94	66	25.19	339	42.371	251	46.83	306
Mai 9	44.716	253	25.48	203	18.17	46	41.24	312	56.60	79	21.80	307	42.622	294	43.77	294
19	44.969	281	23.45	213	18.63	52	38.12	278	57.39	90	18.73	269	42.916	331	40.83	277
29	45.250	302	21.32	217	19.15	57	35.34	239	58.29	99	16.04	226	43.247	362	38.06	253
Juni 8	45.552	316	19.15	215	19.72	60	32.95	195	59.28	106	13.78	177	43.609	383	35.53	222
18	45.868	323	17.00	209	20.32	62	31.00	145	60.34	111	12.01	123	43.992	395	33.31	186
28	46.191	319	14.91	196	20.94	62	29.55	91	61.45	112	10.78	67	44.387	396	31.45	145
Juli 8	46.510	309	12.95	179	21.56	61	28.64	37	62.57	110	10.11	10	44.783	387	30.00	102
18	46.819	291	11.16	157	22.17	58	28.27	18	63.67	106	10.01	47	45.170	369	28.98	55
28	47.110	266	9.59	133	22.75	54	28.45	73	64.73	98	10.48	104	45.539	341	28.43	7
Aug. 7	47.376	236	8.26	105	23.29	48	29.18	125	65.71	88	11.52	156	45.880	305	28.36	40
17	47.612	201	7.21	75	23.77	41	30.43	171	66.59	75	13.08	203	46.185	261	28.76	85
27	47.813	164	6.46	46	24.18	32	32.14	213	67.34	59	15.11	242	46.446	212	29.61	125
Sept. 6	47.977	126	6.00	17	24.50	23	34.27	245	67.93	42	17.53	273	46.658	161	30.86	161
16	48.103	87	5.83	10	24.73	14	36.72	268	68.35	24	20.26	294	46.819	108	32.47	191
25*)	[25] 48.190	50	5.93	33	[25] 24.87	4	39.40	280	[26] 68.59	5	23.20	303	[27] 46.927	55	34.38	210
Okt. 5	48.240	16	6.26	53	24.91	5	42.20	282	68.64	14	26.23	301	46.982	5	36.48	222
15	48.256	14	6.79	68	24.86	14	45.02	272	68.50	31	29.24	286	46.987	40	38.70	224
25	48.242	39	7.47	80	24.72	22	47.74	250	68.19	48	32.10	260	46.947	80	40.94	217
Nov. 4	48.203	61	8.27	86	24.50	28	50.24	217	67.71	62	34.70	221	46.867	115	43.11	199
14	48.142	78	9.13	87	24.22	33	52.41	176	67.09	73	36.91	175	46.752	142	45.10	175
24	48.064	92	10.00	86	23.89	37	54.17	127	66.36	82	38.66	120	46.610	162	46.85	142
Dez. 4	47.972	100	10.86	80	23.52	39	55.44	72	65.54	88	39.86	61	46.448	175	48.27	104
14	47.872	105	11.66	71	23.13	40	56.16	15	64.66	89	40.47	2	46.273	182	49.31	62
24	47.767	106	12.37	60	22.73	40	56.31	44	63.77	89	40.45	64	46.091	181	49.93	19
34	47.661		12.97		22.33		55.87		62.88		39.81		45.910		50.12	
Mittl. Ort	45.568		22.85		19.77		52.88		59.73		34.98		43.666		49.66	
sec δ, tg δ	1.013		−0.162		2.393		−2.174		4.679		−4.571		1.361		−0.923	

*) Bei Stern 11) und 12) lies Sept. 26

Scheinbare Sternörter 1928

Tag	13) 12 Ceti AR.		13) 12 Ceti Dekl.		17) ζ Cassiopeiae AR.		17) ζ Cassiopeiae Dekl.		18) π Andromedae AR.		18) π Andromedae Dekl.		20) δ Andromedae AR.		20) δ Andromedae Dekl.	
1928	0ʰ 26ᵐ		−4° 21′		0ʰ 32ᵐ		+53° 29′		0ʰ 32ᵐ		+33° 19′		0ʰ 35ᵐ		+30° 27′	
Jan. 0	20.824	108	27.25	61	55.717	266	72.52	42	60.680	155	27.44	65	27.262	147	65.20	65
10	20.716	106	27.86	51	55.451	266	72.10	90	60.525	156	26.79	96	27.115	148	64.55	93
20	20.610	99	28.37	39	55.185	254	71.20	135	60.369	150	25.83	122	26.967	142	63.62	116
30	20.511	87	28.76	24	54.931	231	69.85	174	60.219	135	24.61	144	26.825	129	62.46	136
Feb. 9	20.424	70	29.00	8	54.700	197	68.11	207	60.084	114	23.17	159	26.696	109	61.10	149
19	20.354	47	29.08	10	54.503	152	66.04	229	59.970	85	21.58	167	26.587	81	59.61	155
29	20.307	19	28.98	32	54.351	97	63.75	242	59.885	48	19.91	167	26.506	47	58.06	154
März 10	20.288	15	28.66	54	54.254	35	61.33	244	59.837	6	18.24	160	26.459	6	56.52	145
20	20.303	51	28.12	77	54.219	34	58.89	235	59.831	41	16.64	143	26.453	39	55.07	128
30	20.354	91	27.35	103	54.253	105	56.54	218	59.872	92	15.21	121	26.492	88	53.79	106
Apr. 9	20.445	131	26.32	126	54.358	175	54.36	190	59.964	142	14.00	92	26.580	138	52.73	77
19	20.576	172	25.06	149	54.533	243	52.46	155	60.106	191	13.08	57	26.718	185	51.96	43
29	20.748	211	23.57	169	54.776	305	50.91	113	60.297	237	12.51	20	26.903	230	51.53	7
Mai 9	20.959	245	21.88	187	55.081	357	49.78	68	60.534	278	12.31	19	27.133	270	51.46	30
19	21.204	274	20.01	200	55.438	401	49.10	20	60.812	312	12.50	59	27.403	303	51.76	69
29	21.478	297	18.01	208	55.839	432	48.90	30	61.124	336	13.09	98	27.706	328	52.45	105
Juni 8	21.775	312	15.93	212	56.271	452	49.20	78	61.460	352	14.07	134	28.034	345	53.50	139
18	22.087	319	13.81	209	56.723	460	49.98	125	61.812	360	15.41	166	28.379	352	54.89	170
28	22.406	318	11.72	203	57.183	456	51.23	169	62.172	356	17.07	195	28.731	350	56.59	196
Juli 8	22.724	308	9.69	190	57.639	439	52.92	207	62.528	345	19.02	218	29.081	339	58.55	217
18	23.032	293	7.79	174	58.078	414	54.99	241	62.873	326	21.20	237	29.420	321	60.72	232
28	23.325	269	6.05	152	58.492	379	57.40	270	63.199	300	23.57	249	29.741	296	63.04	243
Aug. 7	23.594	241	4.53	128	58.871	337	60.10	293	63.499	267	26.06	256	30.037	265	65.47	247
17	23.835	207	3.25	101	59.208	289	63.03	308	63.766	231	28.62	258	30.302	229	67.94	248
27	24.042	171	2.24	74	59.497	237	66.11	319	63.997	191	31.20	255	30.531	191	70.42	242
Sept. 6	24.213	134	1.50	47	59.734	183	69.30	322	64.188	151	33.75	246	30.722	151	72.84	232
16	24.347	97	1.03	20	59.917	128	72.52	320	64.339	110	36.21	233	30.873	112	75.16	219
26	24.444	62	0.83	4	60.045	75	75.72	311	64.449	71	38.54	218	30.985	74	77.35	202
Okt. 5	[28] 24.506	27	0.87	25	[20] 60.120	22	78.83	296	[29] 64.520	33	40.72	198	[30] 31.059	37	79.37	182
15	24.533	2	1.12	43	60.142	28	81.79	275	64.553	1	42.70	175	31.096	3	81.19	159
25	24.531	28	1.55	57	60.114	74	84.54	248	64.552	33	44.45	149	31.099	27	82.78	134
Nov. 4	24.503	51	2.12	67	60.040	118	87.02	216	64.519	62	45.94	121	31.072	55	84.12	108
14	24.452	69	2.79	73	59.922	158	89.18	179	64.457	87	47.15	91	31.017	79	85.20	79
24	24.383	83	3.52	75	59.764	191	90.97	137	64.370	108	48.06	58	30.938	100	85.99	48
Dez. 4	24.300	94	4.27	74	59.573	221	92.34	90	64.262	127	48.64	25	30.838	118	86.47	17
14	24.206	102	5.01	70	59.352	243	93.24	41	64.135	140	48.89	9	30.720	131	86.64	14
24	24.104	106	5.71	65	59.109	258	93.65	9	63.995	149	48.80	43	30.589	141	86.50	45
34	23.998		6.36		58.851		93.56		63.846		48.37		30.448		86.05	
Mittl. Ort	21.862		18.08		56.949		63.14		61.797		23.55		28.354		62.20	
sec δ, tg δ	1.003		−0.076		1.681		+1.351		1.197		+0.657		1.160		+0.588	

Tag	21) α Cassiopeiae AR.	Δ	21) α Cassiopeiae Dekl.	Δ	22) β Ceti AR.	Δ	22) β Ceti Dekl.	Δ	25) ο Cassiopeiae AR.	Δ	25) ο Cassiopeiae Dekl.	Δ	24) 21 Cassiopeiae AR.	Δ	24) 21 Cassiopeiae Dekl.	Δ
1928	0h 36m		+56° 8′		0h 39m		−18° 22′		0h 40m		+47° 53′		0h 40m		+74° 35′	
Jan. 0	23.311	292	43.83	34	57.656	121	67.56	48	41.100	223	34.05	41	50.08	73	54.38	9
10	23.019	292	43.49	84	57.535	119	68.04	22	40.877	224	33.64	86	49.35	74	54.47	53
20	22.727	280	42.65	131	57.416	113	68.26	3	40.653	217	32.78	126	48.61	70	53.94	112
30	22.447	256	41.34	172	57.303	101	68.23	30	40.436	200	31.52	161	47.91	65	52.82	166
Feb. 9	22.191	221	39.62	207	57.202	85	67.93	57	40.236	172	29.91	189	47.26	57	51.16	212
19	21.970	172	37.55	233	57.117	63	67.36	85	40.064	134	28.02	210	46.69	45	49.04	251
29	21.798	113	35.22	247	57.054	34	66.51	111	39.930	88	25.92	221	46.24	33	46.53	277
März 10	21.685	46	32.75	252	57.020	2	65.40	137	39.842	34	23.71	221	45.91	18	43.76	292
20	21.639	26	30.23	245	57.018	36	64.03	161	39.808	26	21.50	213	45.73	2	40.84	295
30	21.665	102	27.78	229	57.054	77	62.42	184	39.834	89	19.37	194	45.71	13	37.89	286
Apr. 9	21.767	178	25.49	202	57.131	119	60.58	203	39.923	152	17.43	167	45.84	28	35.03	265
19	21.945	250	23.47	168	57.250	161	58.55	220	40.075	214	15.76	134	46.12	43	32.38	235
29	22.195	315	21.79	127	57.411	202	56.35	233	40.289	271	14.42	94	46.55	57	30.03	196
Mai 9	22.510	373	20.52	81	57.613	240	54.02	240	40.560	319	13.48	51	47.12	67	28.07	150
19	22.883	419	19.71	33	57.853	272	51.62	242	40.879	361	12.97	5	47.79	77	26.57	99
29	23.302	453	19.38	17	58.125	298	49.20	240	41.240	392	12.92	41	48.56	83	25.58	46
Juni 8	23.755	475	19.55	67	58.423	317	46.80	230	41.632	412	13.33	86	49.39	88	25.12	10
18	24.230	484	20.22	115	58.740	327	44.50	216	42.044	421	14.19	130	50.27	89	25.22	64
28	24.714	480	21.37	160	59.067	330	42.34	195	42.465	419	15.49	169	51.16	89	25.86	118
Juli 8	25.194	465	22.97	201	59.397	324	40.39	170	42.884	407	17.18	205	52.05	86	27.04	168
18	25.659	438	24.98	237	59.721	310	38.69	141	43.291	385	19.23	235	52.91	82	28.72	214
28	26.097	402	27.35	267	60.031	288	37.28	108	43.676	354	21.58	260	53.73	75	30.86	256
Aug. 7	26.499	358	30.02	292	60.319	261	36.20	73	44.030	318	24.18	280	54.48	66	33.42	291
17	26.857	308	32.94	311	60.580	227	35.47	38	44.348	276	26.98	293	55.14	57	36.33	322
27	27.165	255	36.05	323	60.807	192	35.09	3	44.624	230	29.91	300	55.71	48	39.55	345
Sept. 6	27.420	197	39.28	328	60.999	153	35.06	30	44.854	182	32.91	301	56.19	36	43.00	361
16	27.617	140	42.56	328	61.152	113	35.36	61	45.036	134	35.92	297	56.55	24	46.61	371
26	27.757	83	45.84	321	61.265	75	35.97	87	45.170	86	38.89	288	56.79	12	50.32	373
Okt. 5	27.840	26	49.05	307	61.340	39	36.84	107	45.256	40	41.77	272	56.91	1	54.05	366
15	27.866	27	52.12	287	61.379	5	37.91	122	45.296	5	44.49	252	56.92	12	57.71	352
25	27.839	78	54.99	262	61.384	24	39.13	129	45.291	46	47.01	226	56.80	23	61.23	331
Nov. 4	27.761	126	57.61	230	61.360	50	40.42	131	45.245	82	49.27	195	56.57	34	64.54	300
14	27.635	169	59.91	192	61.310	71	41.73	126	45.163	123	51.22	160	56.23	44	67.54	263
24	27.466	207	61.83	149	61.239	88	42.99	117	45.040	152	52.82	122	55.79	54	70.17	218
Dez. 4	27.259	240	63.32	102	61.151	102	44.16	101	44.888	177	54.04	79	55.25	62	72.35	165
14	27.019	264	64.34	53	61.049	112	45.17	83	44.711	198	54.83	35	54.63	67	74.00	109
24	26.755	282	64.87	0	60.937	117	46.00	60	44.513	213	55.18	12	53.96	72	75.09	50
34	26.473		64.87		60.820		46.60		44.300		55.06		53.24		75.59	
Mittl. Ort	24.537		33.81		58.564		53.71		42.238		25.95		51.56		41.22	
sec δ, tg δ	1.795		+1.491		1.054		−0.332		1.491		+1.106		3.764		+3.629	

Scheinbare Sternörter 1928

Tag	27) ζ Andromedae				32) γ Cassiopeiae				33) μ Andromedae				35) α Sculptoris			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1928	0h 43m		+23° 52′		0h 52m		+60° 19′		0h 52m		+38° 6′		0h 55m		−29° 44′	
Jan. 0	30.044	132	33.65	64	19.73	34	48.93	6	43.976	172	38.56	43	7.472	144	64.46	41
10	29.912	135	33.01	84	19.39	34	48.87	59	43.804	176	38.13	78	7.328	145	64.87	5
20	29.777	131	32.17	102	19.05	34	48.28	110	43.628	173	37.35	110	7.183	140	64.92	31
30	29.646	120	31.15	115	18.71	32	47.18	157	43.455	162	36.25	137	7.043	129	64.61	68
Feb. 9	29.526	103	30.00	123	18.39	28	45.61	196	43.293	142	34.88	158	6.914	112	63.93	103
19	29.423	79	28.77	124	18.11	22	43.65	227	43.151	115	33.30	173	6.802	89	62.90	137
29	29.344	48	27.53	120	17.89	16	41.38	248	43.036	78	31.57	179	6.713	61	61.53	168
März 10	29.296	11	26.33	109	17.73	9	38.90	258	42.958	32	29.78	177	6.652	25	59.85	196
20	29.285	32	25.24	92	17.64	1	36.32	257	42.926	17	28.01	166	6.627	14	57.89	222
30	29.317	77	24.32	68	17.63	8	33.75	245	42.943	71	26.35	147	6.641	58	55.67	244
Apr. 9	29.394	123	23.64	41	17.71	16	31.30	224	43.014	125	24.88	122	6.699	102	53.23	260
19	29.517	170	23.23	11	17.87	25	29.06	193	43.139	179	23.66	90	6.801	149	50.63	273
29	29.687	214	23.12	23	18.12	32	27.13	155	43.318	230	22.76	54	6.950	194	47.90	280
Mai 9	29.901	252	23.35	58	18.44	39	25.58	111	43.548	275	22.22	15	7.144	236	45.10	281
19	30.153	285	23.93	91	18.83	45	24.47	64	43.823	314	22.07	25	7.380	272	42.29	275
29	30.438	311	24.84	123	19.28	49	23.83	14	44.137	343	22.32	66	7.652	304	39.54	265
Juni 8	30.749	328	26.07	152	19.77	51	23.69	37	44.480	363	22.98	105	7.956	327	36.89	246
18	31.077	337	27.59	176	20.28	53	24.06	86	44.843	375	24.03	140	8.283	342	34.43	222
28	31.414	337	29.35	196	20.81	54	24.92	133	45.218	376	25.43	174	8.625	349	32.21	193
Juli 8	31.751	329	31.31	212	21.35	52	26.25	178	45.594	367	27.17	202	8.974	345	30.28	158
18	32.080	313	33.43	222	21.87	49	28.03	217	45.961	351	29.19	224	9.319	334	28.70	120
28	32.393	289	35.65	226	22.36	46	30.20	252	46.312	327	31.43	243	9.653	315	27.50	79
Aug. 7	32.682	261	37.91	227	22.82	42	32.72	281	46.639	296	33.86	256	9.968	288	26.71	35
17	32.943	229	40.18	221	23.24	37	35.53	305	46.935	261	36.42	262	10.256	255	26.36	7
27	33.172	192	42.39	212	23.61	30	38.58	322	47.196	222	39.04	264	10.511	217	26.43	48
Sept. 6	33.364	156	44.51	200	23.91	25	41.80	332	47.418	181	41.68	261	10.728	177	26.91	87
16	33.520	118	46.51	183	24.16	18	45.12	335	47.599	140	44.29	253	10.905	134	27.78	121
26	33.638	81	48.34	165	24.34	12	48.47	333	47.739	99	46.82	240	11.039	92	28.99	147
Okt. 5	33.719	47	49.99	144	24.46	6	51.80	324	47.838	59	49.22	224	11.131	51	30.46	169
15	33.766	15	51.43	123	24.52	0	55.04	309	47.897	22	51.46	204	11.182	12	32.15	180
25	33.781	14	52.66	99	24.52	7	58.13	286	47.919	13	53.50	181	11.194	22	33.95	185
Nov. 4	33.767	41	53.65	76	24.45	12	60.99	256	47.906	47	55.31	153	11.172	54	35.80	181
14	33.726	64	54.41	51	24.33	17	63.55	221	47.859	77	56.84	123	11.118	80	37.61	169
24	33.662	85	54.92	26	24.16	22	65.76	180	47.782	103	58.07	90	11.038	102	39.30	151
Dez. 4	33.577	102	55.18	1	23.94	26	67.56	133	47.679	127	58.97	55	10.936	119	40.81	125
14	33.475	115	55.19	25	23.68	30	68.89	83	47.552	147	59.52	19	10.817	132	42.06	95
24	33.360	125	54.94	48	23.38	33	69.72	29	47.405	161	59.71	19	10.685	140	43.01	62
34	33.235		54.46		23.05		70.01		47.244		59.52		10.545		43.63	
Mittl. Ort	31.066		32.71		20.85		37.92		44.992		33.04		8.216		47.24	
sec δ, tg δ	1.094		+0.443		2.020		+1.755		1.271		+0.784		1.152		−0.571	

Tag	36) ε Piscium AR.		36) ε Piscium Dekl.		38) β Phoenicis AR.		38) β Phoenicis Dekl.		42) β Andromedae AR.		42) β Andromedae Dekl.		45) υ Piscium AR.		45) υ Piscium Dekl.	
1928	$0^h\ 59^m$		$+7°\ 30'$		$1^h\ 2^m$		$-47°\ 5'$		$1^h\ 5^m$		$+35°\ 14'$		$1^h\ 15^m$		$+26°\ 53'$	
Jan. 0	$11\overset{s}{.}367$	113	$5\overset{''}{.}84$	64	$51\overset{s}{.}784$	218	$96\overset{''}{.}85$	22	$40\overset{s}{.}729$	159	$26\overset{''}{.}14$	36	$29\overset{s}{.}368$	136	$12\overset{''}{.}06$	41
10	11.254	117	5.20	66	51.566	217	97.07	29	40.570	166	25.78	68	29.232	144	11.65	64
20	11.137	117	4.54	66	51.349	209	96.78	78	40.404	167	25.10	97	29.088	147	11.01	85
30	11.020	110	3.88	63	51.140	193	96.00	125	40.237	159	24.13	123	28.941	142	10.16	102
Feb. 9	10.910	97	3.25	56	50.947	171	94.75	169	40.078	143	22.90	143	28.799	130	9.14	114
19	10.813	77	2.69	46	50.776	141	93.06	210	39.935	118	21.47	155	28.669	110	8.00	122
29	10.736	52	2.23	33	50.635	104	90.96	245	39.817	85	19.92	162	28.559	81	6.78	122
März 10	10.684	19	1.90	15	50.531	61	88.51	276	39.732	44	18.30	161	28.478	45	5.56	117
20	10.665	17	1.75	6	50.470	12	85.75	300	39.688	4	16.69	150	28.433	2	4.39	105
30	10.682	59	1.81	29	50.458	40	82.75	318	39.692	54	15.19	133	28.431	43	3.34	87
Apr. 9	10.741	102	2.10	54	50.498	96	79.57	330	39.746	108	13.86	109	28.474	93	2.47	63
19	10.843	145	2.64	81	50.594	152	76.27	336	39.854	162	12.77	80	28.567	142	1.84	36
29	10.988	186	3.45	106	50.746	207	72.91	335	40.016	211	11.97	46	28.709	189	1.48	5
Mai 9	11.174	225	4.51	131	50.953	259	69.56	325	40.227	257	11.51	9	28.898	232	1.43	28
19	11.399	258	5.82	154	51.212	306	66.31	309	40.484	297	11.42	28	29.130	271	1.71	61
29	11.657	285	7.36	172	51.518	346	63.22	287	40.781	328	11.70	66	29.401	302	2.32	94
Juni 8	11.942	305	9.08	187	51.864	377	60.35	256	41.109	350	12.36	103	29.703	325	3.26	123
18	12.247	316	10.95	197	52.241	399	57.79	219	41.459	364	13.39	137	30.028	339	4.49	150
28	12.563	320	12.92	203	52.640	411	55.60	178	41.823	367	14.76	167	30.367	344	5.99	174
Juli 8	12.883	315	14.95	202	53.051	412	53.82	131	42.190	362	16.43	193	30.711	342	7.73	193
18	13.198	303	16.97	197	53.463	402	52.51	82	42.552	348	18.36	214	31.053	331	9.66	206
28	13.501	285	18.94	188	53.865	382	51.69	30	42.900	327	20.50	230	31.384	313	11.72	216
Aug. 7	13.786	259	20.82	173	54.247	352	51.39	22	43.227	300	22.80	241	31.697	289	13.88	219
17	14.045	231	22.55	155	54.599	314	51.61	73	43.527	267	25.21	247	31.986	259	16.07	219
27	14.276	199	24.10	135	54.913	268	52.34	120	43.794	231	27.68	248	32.245	227	18.26	214
Sept. 6	14.475	164	25.45	113	55.181	218	53.54	162	44.025	193	30.16	244	32.472	192	20.40	205
16	14.639	130	26.58	90	55.399	164	55.16	198	44.218	153	32.60	236	32.664	156	22.45	193
26	14.769	95	27.48	68	55.563	109	57.14	226	44.371	114	34.96	224	32.820	121	24.38	178
Okt. 6	14.864	63	28.16	45	55.672	53	59.40	243	44.485	76	37.20	208	32.941	85	26.16	160
16	14.927	32	28.61	25	55.725	1	61.83	252	44.561	40	39.28	189	33.026	52	27.76	142
26	14.959	4	28.86	6	55.726	48	64.35	249	44.601	6	41.17	166	33.078	20	29.18	120
Nov. 4	14.963	21	28.92	10	55.678	91	66.84	236	44.607	28	42.83	142	33.098	9	30.38	99
14	14.942	44	28.82	25	55.587	129	69.20	213	44.579	57	44.25	116	33.089	38	31.37	75
24	14.898	63	28.57	36	55.458	160	71.33	182	44.522	85	45.41	85	33.051	63	32.12	51
Dez. 4	14.835	81	28.21	46	55.298	185	73.15	142	44.437	109	46.26	52	32.988	86	32.63	26
14	14.754	94	27.75	54	55.113	203	74.57	99	44.328	131	46.78	20	32.902	107	32.89	1
24	14.660	105	27.21	60	54.910	213	75.56	51	44.197	147	46.98	14	32.795	122	32.90	24
34	14.555		26.61		54.697		76.07		44.050		46.84		32.673		32.66	
Mittl. Ort	12.247		10.41		52.303		75.24		41.658		21.38		30.217		9.83	
sec δ, tg δ	1.009		+0.132		1.469		−1.076		1.224		+0.706		1.121		+0.507	

Scheinbare Sternörter 1928

Tag	47) ϑ Ceti AR.	Diff.	47) ϑ Ceti Dekl.	Diff.	48) δ Cassiopeiae AR.	Diff.	48) δ Cassiopeiae Dekl.	Diff.
1928	$1^h\ 20^m$		$-8°\ 32'$		$1^h\ 21^m$		$+59°\ 51'$	
Jan. 0	24.740	113	85.88	68	4.479	319	53.21	29
10	24.627	121	86.56	52	4.160	337	53.50	24
20	24.506	123	87.08	35	3.823	339	53.26	75
30	24.383	119	87.43	14	3.484	328	52.51	123
Feb. 9	24.264	110	87.57	6	3.156	301	51.28	165
19	24.154	93	87.51	28	2.855	259	49.63	201
29	24.061	70	87.23	52	2.596	202	47.62	227
März 10	23.991	40	86.71	75	2.394	135	45.35	243
20	23.951	5	85.96	100	2.259	57	42.92	248
30	23.946	34	84.96	124	2.202	27	40.44	243
Apr. 9	23.980	76	83.72	147	2.229	113	38.01	228
19	24.056	121	82.25	169	2.342	198	35.73	204
29	24.177	163	80.56	188	2.540	277	33.69	171
Mai 9	24.340	203	78.68	204	2.817	350	31.98	133
19	24.543	239	76.64	215	3.167	412	30.65	90
29	24.782	270	74.49	221	3.579	463	29.75	43
Juni 8	25.052	292	72.28	223	4.042	500	29.32	5
18	25.344	309	70.05	219	4.542	525	29.37	53
28	25.653	317	67.86	209	5.067	534	29.90	100
Juli 8	25.970	317	65.77	194	5.601	531	30.90	144
18	26.287	310	63.83	174	6.132	515	32.34	185
28	26.597	294	62.09	150	6.647	489	34.19	221
Aug. 7	26.891	273	60.59	121	7.136	453	36.40	253
17	27.164	247	59.38	91	7.589	408	38.93	279
27	27.411	217	58.47	60	7.997	358	41.72	300
Sept. 6	27.628	184	57.87	28	8.355	303	44.72	313
16	27.812	150	57.59	3	8.658	245	47.85	322
26	27.962	115	57.62	30	8.903	184	51.07	325
Okt. 6	28.077	81	57.92	54	9.087	123	54.32	320
15	28.158	49	58.46	74	9.210	61	57.52	309
25	28.207	20	59.20	89	9.271	1	60.61	292
Nov. 4	28.227	8	60.09	98	9.272	59	63.53	269
14	28.219	33	61.07	102	9.213	117	66.22	238
24	28.186	55	62.09	102	9.096	170	68.60	201
Dez. 4	28.131	75	63.11	97	8.926	221	70.61	160
14	28.056	91	64.08	88	8.705	263	72.21	114
24	27.965	105	64.96	76	8.442	298	73.35	62
34	27.860		65.72		8.144		73.97	
Mittl. Ort	25.431		76.00		5.351		42.19	
sec δ, tg δ	1.011		−0.150		1.992		+1.722	

Tag	50) η Piscium AR.	Diff.	50) η Piscium Dekl.	Diff.	51) 40 Cassiopeiae AR.	Diff.	51) 40 Cassiopeiae Dekl.	Diff.
1928	$1^h\ 27^m$		$+14°\ 58'$		$1^h\ 32^m$		$+72°\ 40'$	
Jan. 0	36.865	116	28.73	51	42.75	60	39.22	75
10	36.749	125	28.22	61	42.15	64	39.97	16
20	36.624	131	27.61	69	41.51	64	40.13	43
30	36.493	129	26.92	73	40.87	63	39.70	101
Feb. 9	36.364	120	26.19	74	40.24	58	38.69	153
19	36.244	103	25.45	71	39.66	51	37.16	199
29	36.141	80	24.74	65	39.15	41	35.17	235
März 10	36.061	48	24.09	54	38.74	31	32.82	261
20	36.013	11	23.55	37	38.43	17	30.21	277
30	36.002	31	23.18	17	38.26	3	27.44	279
Apr. 9	36.033	76	23.01	6	38.23	11	24.65	272
19	36.109	121	23.07	32	38.34	25	21.93	253
29	36.230	167	23.39	58	38.59	38	19.40	226
Mai 9	36.397	209	23.97	86	38.97	51	17.14	189
19	36.606	245	24.83	111	39.48	61	15.25	147
29	36.851	277	25.94	136	40.09	69	13.78	100
Juni 8	37.128	301	27.30	157	40.78	76	12.78	50
18	37.429	317	28.87	173	41.54	80	12.28	1
28	37.746	324	30.60	186	42.34	83	12.29	54
Juli 8	38.070	324	32.46	194	43.17	83	12.83	104
18	38.394	317	34.40	196	44.00	81	13.87	151
28	38.711	301	36.36	195	44.81	78	15.38	196
Aug. 7	39.012	281	38.31	188	45.59	73	17.34	237
17	39.293	255	40.19	177	46.32	66	19.71	272
27	39.548	225	41.96	164	46.98	59	22.43	301
Sept. 6	39.773	193	43.60	146	47.57	50	25.44	325
16	39.966	161	45.06	128	48.07	42	28.69	343
26	40.127	127	46.34	109	48.49	31	32.12	354
Okt. 6	40.254	95	47.43	88	48.80	20	35.66	357
15	40.349	63	48.31	69	49.00	10	39.23	354
25	40.412	34	49.00	50	49.10	0	42.77	342
Nov. 4	40.446	6	49.50	31	49.10	12	46.19	322
14	40.452	20	49.81	14	48.98	22	49.41	296
24	40.432	45	49.95	2	48.76	33	52.37	260
Dez. 4	40.387	67	49.93	16	48.43	42	54.97	217
14	40.320	87	49.77	30	48.01	50	57.14	167
24	40.233	103	49.47	43	47.51	56	58.81	113
34	40.130		49.04		46.95		59.94	
Mittl. Ort	37.611		30.36		43.44		26.17	
sec δ, tg δ	1.035		+0.267		3.358		+3.205	

Tag	52) υ Persei AR.		52) υ Persei Dekl.		54) α Eridani AR.		54) α Eridani Dekl.		55) 43 Cassiopeiae AR.		55) 43 Cassiopeiae Dekl.		57) φ Persei AR.		57) φ Persei Dekl.	
1928	$1^h\ 33^m$		+48° 15′		$1^h\ 34^m$		−57° 35′		$1^h\ 36^m$		+67° 40′		$1^h\ 39^m$		+50° 19′	
Jan. 0	32.949	210	59.00	16	62.224	313	90.67	42	58.20	44	59.30	69	7.423	221	45.04	26
10	32.739	227	59.16	28	61.911	321	91.09	15	57.76	48	59.99	11	7.202	240	45.30	18
20	32.512	234	58.88	70	61.590	318	90.94	70	57.28	49	60.10	45	6.962	249	45.12	62
30	32.278	232	58.18	108	61.272	304	90.24	125	56.79	47	59.65	99	6.713	247	44.50	103
Feb. 9	32.046	216	57.10	142	60.968	281	88.99	175	56.32	44	58.66	149	6.466	233	43.47	138
19	31.830	189	55.68	170	60.687	249	87.24	222	55.88	39	57.17	192	6.233	205	42.09	169
29	31.641	151	53.98	190	60.438	206	85.02	262	55.49	32	55.25	226	6.028	167	40.40	191
März 10	31.490	103	52.08	201	60.232	155	82.40	296	55.17	23	52.99	251	5.861	117	38.49	205
20	31.387	46	50.07	203	60.077	97	79.44	324	54.94	13	50.48	263	5.744	58	36.44	209
30	31.341	16	48.04	195	59.980	33	76.20	346	54.81	3	47.85	266	5.686	6	34.35	203
Apr. 9	31.357	82	46.09	180	59.947	35	72.74	360	54.78	9	45.19	258	5.692	75	32.32	189
19	31.439	148	44.29	156	59.982	106	69.14	366	54.87	21	42.61	238	5.767	144	30.43	167
29	31.587	211	42.73	125	60.088	176	65.48	364	55.08	31	40.23	211	5.911	210	28.76	138
Mai 9	31.798	269	41.48	90	60.264	244	61.84	355	55.39	40	38.12	175	6.121	271	27.38	103
19	32.067	321	40.58	51	60.508	308	58.29	338	55.79	49	36.37	134	6.392	326	26.35	64
29	32.388	363	40.07	10	60.816	364	54.91	312	56.28	56	35.03	88	6.718	370	25.71	23
Juni 8	32.751	395	39.97	33	61.180	411	51.79	281	56.84	62	34.15	39	7.088	405	25.48	19
18	33.146	417	40.30	74	61.591	449	48.98	241	57.46	65	33.76	11	7.493	429	25.67	62
28	33.563	428	41.04	113	62.040	474	46.57	196	58.11	67	33.87	61	7.922	442	26.29	103
Juli 8	33.991	428	42.17	150	62.514	487	44.61	145	58.78	68	34.48	109	8.364	443	27.32	141
18	34.419	419	43.67	183	63.001	487	43.16	91	59.46	66	35.57	154	8.807	435	28.73	175
28	34.838	399	45.50	212	63.488	474	42.25	35	60.12	63	37.11	196	9.242	416	30.48	206
Aug. 7	35.237	374	47.62	235	63.962	448	41.90	23	60.75	60	39.07	234	9.658	391	32.54	231
17	35.611	340	49.97	254	64.410	411	42.13	79	61.35	55	41.41	267	10.049	358	34.85	252
27	35.951	302	52.51	268	64.821	362	42.92	132	61.90	48	44.08	295	10.407	319	37.37	268
Sept. 6	36.253	262	55.19	275	65.183	305	44.24	180	62.38	42	47.03	316	10.726	277	40.05	278
16	36.515	217	57.94	279	65.488	242	46.04	222	62.80	35	50.19	331	11.003	233	42.83	282
26	36.732	172	60.73	276	65.730	174	48.26	254	63.15	27	53.50	340	11.236	187	45.65	283
Okt. 6	36.904	127	63.49	269	65.904	103	50.80	276	63.42	19	56.90	342	11.423	139	48.48	277
15*)	37.031	81	66.18	257	66.007	34	53.56	288	63.61	10	60.32	338	11.562	91	51.25	267
25	37.112	37	68.75	240	66.041	35	56.44	288	63.71	2	63.70	326	11.653	45	53.92	251
Nov. 4	37.149	7	71.15	217	66.006	98	59.32	276	63.73	6	66.96	306	11.698	1	56.43	229
14	37.142	50	73.32	191	65.908	155	62.08	252	63.67	14	70.02	279	11.697	47	58.72	204
24	37.092	90	75.23	160	65.753	205	64.60	220	63.53	22	72.81	245	11.650	91	60.76	173
Dez. 4	37.002	129	76.83	124	65.548	248	66.80	177	63.31	30	75.26	203	11.559	131	62.49	137
14	36.873	162	78.07	85	65.300	280	68.57	129	63.01	36	77.29	156	11.428	169	63.86	97
24	36.711	191	78.92	43	65.020	303	69.86	75	62.65	41	78.85	104	11.259	201	64.83	55
34	36.520		79.35		64.717		70.61		62.24		79.89		11.058		65.38	
Mittl. Ort	33.724		50.55		62.134		67.96		58.89		46.97		8.159		36.09	
sec δ, tg δ	1.502		+1.121		1.866		−1.576		2.633		+2.436		1.566		+1.206	

*) Bei Stern 55) und 57) lies Okt. 16

C

Tag	59) τ Ceti*) AR.		59) τ Ceti*) Dekl.		60) ο Piscium AR.		60) ο Piscium Dekl.		61) Lac. ε Sculptoris AR.		61) Lac. ε Sculptoris Dekl.		62) ζ Ceti AR.		62) ζ Ceti Dekl.	
1928	1h 40m		−16° 18′		1h 41m		+8° 47′		1h 42m		−25° 24′		1h 47m		−10° 41′	
Jan. 0	42.843	123	70.55	73	34.676	107	41.83	55	15.948	136	58.87	78	53.819	112	34.69	76
10	42.720	134	71.28	47	34.569	122	41.28	58	15.812	146	59.65	45	53.707	125	35.45	58
20	42.586	139	71.75	20	34.447	128	40.70	59	15.666	151	60.10	10	53.582	131	36.03	37
30	42.447	137	71.95	7	34.319	129	40.11	57	15.515	149	60.20	26	53.451	133	36.40	15
Feb. 9	42.310	129	71.88	36	34.190	122	39.54	52	15.366	141	59.94	62	53.318	127	36.55	9
19	42.181	114	71.52	64	34.068	109	39.02	44	15.225	125	59.32	95	53.191	114	36.46	34
29	42.067	93	70.88	92	33.959	88	38.58	32	15.100	103	58.37	129	53.077	94	36.12	58
März 10	41.974	64	69.96	119	33.871	58	38.26	19	14.997	74	57.08	160	52.983	67	35.54	83
20	41.910	29	68.77	146	33.813	24	38.07	1	14.923	37	55.48	189	52.916	33	34.71	109
30	41.881	11	67.31	171	33.789	17	38.06	19	14.886	4	53.59	214	52.883	6	33.62	134
Apr. 9	41.892	54	65.60	194	33.806	61	38.25	42	14.890	48	51.45	237	52.889	48	32.28	157
19	41.946	98	63.66	214	33.867	105	38.67	67	14.938	95	49.08	255	52.937	93	30.71	179
29	42.044	143	61.52	229	33.972	150	39.34	91	15.033	141	46.53	268	53.030	136	28.92	198
Mai 9	42.187	185	59.23	242	34.122	193	40.25	115	15.174	186	43.85	276	53.166	179	26.94	212
19	42.372	223	56.81	249	34.315	230	41.40	137	15.360	227	41.09	278	53.345	218	24.82	224
29	42.595	258	54.32	250	34.545	262	42.77	156	15.587	263	38.31	273	53.563	252	22.58	231
Juni 8	42.853	284	51.82	245	34.807	289	44.33	172	15.850	293	35.58	263	53.815	279	20.27	231
18	43.137	304	49.37	235	35.096	306	46.05	184	16.143	315	32.95	245	54.094	300	17.96	226
28	43.441	315	47.02	219	35.402	317	47.89	191	16.458	328	30.50	222	54.394	312	15.70	215
Juli 8	43.756	319	44.83	196	35.719	319	49.80	193	16.786	334	28.28	192	54.706	316	13.55	199
18	44.075	314	42.87	169	36.038	314	51.73	190	17.120	331	26.36	158	55.022	314	11.56	178
28	44.389	303	41.18	139	36.352	301	53.63	183	17.451	321	24.78	119	55.336	304	9.78	151
Aug. 7	44.692	284	39.79	103	36.653	283	55.46	170	17.772	302	23.59	78	55.640	286	8.27	122
17	44.976	260	38.76	67	36.936	260	57.16	154	18.074	278	22.81	35	55.926	264	7.05	89
27	45.236	230	38.09	29	37.196	233	58.70	136	18.352	248	22.46	8	56.190	238	6.16	55
Sept. 6	45.466	199	37.80	7	37.429	202	60.06	115	18.600	214	22.54	50	56.428	207	5.61	21
16	45.665	164	37.87	42	37.631	171	61.21	93	18.814	178	23.04	88	56.635	175	5.40	11
26	45.829	129	38.29	73	37.802	139	62.14	70	18.992	140	23.92	120	56.810	142	5.51	41
Okt. 6	45.958	94	39.02	99	37.941	107	62.84	49	19.132	103	25.12	149	56.952	109	5.92	68
16	46.052	60	40.01	120	38.048	76	63.33	29	19.235	66	26.61	168	57.061	76	6.60	90
25	46.112	29	41.21	133	38.124	47	63.62	11	19.301	30	28.29	181	57.137	45	7.50	105
Nov. 4	46.141	2	42.54	140	38.171	19	63.73	4	19.331	3	30.10	184	57.182	16	8.55	115
14	46.139	29	43.94	141	38.190	7	63.69	19	19.328	34	31.94	181	57.198	12	9.70	120
24	46.110	55	45.35	134	38.183	33	63.50	30	19.294	61	33.75	168	57.186	37	10.90	118
Dez. 4	46.055	77	46.69	123	38.150	56	63.20	39	19.233	86	35.43	150	57.149	61	12.08	112
14	45.978	97	47.92	106	38.094	77	62.81	47	19.147	107	36.93	126	57.088	82	13.20	101
24	45.881	113	48.98	85	38.017	96	62.34	52	19.040	125	38.19	97	57.006	100	14.21	86
34	45.768		49.83		37.921		61.82		18.915		39.16		56.906		15.07	
Mittl. Ort	43.378		58.40		35.323		45.39		16.376		44.07		54.330		24.67	
sec δ, tg δ	1.042		−0.293		1.012		+0.155		1.107		−0.475		1.018		−0.189	

*) Die jährliche Parallaxe (0.″31) ist bereits berücksichtigt

Tag	64) α Trianguli AR.		Dekl.		63) ε Cassiopeiae AR.		Dekl.		65) ξ Piscium AR.		Dekl.		66) β Arietis AR.		Dekl.	
1928	1h 48m		+29° 13′		1h 49m		+63° 18′		1h 49m		+2° 49′		1h 50m		+20° 27′	
Jan. 0	57.624	131	46.70	16	11.06	35	70.60	72	48.982	106	51.98	64	38.833	115	24.72	33
10	57.493	148	46.54	41	10.71	38	71.32	18	48.876	119	51.34	59	38.718	132	24.39	49
20	57.345	158	46.13	64	10.33	40	71.50	36	48.757	127	50.75	52	38.586	141	23.90	62
30	57.187	160	45.49	83	9.93	39	71.14	87	48.630	130	50.23	44	38.445	143	23.28	72
Feb. 9	57.027	154	44.66	100	9.54	37	70.27	134	48.500	125	49.79	33	38.302	138	22.56	80
19	56.873	138	43.66	112	9.17	34	68.93	176	48.375	112	49.46	21	38.164	125	21.76	84
29	56.735	113	42.54	118	8.83	28	67.17	210	48.263	92	49.25	5	38.039	102	20.92	82
März 10	56.622	80	41.36	117	8.55	20	65.07	233	48.171	65	49.20	13	37.937	72	20.10	77
20	56.542	39	40.19	112	8.35	13	62.74	247	48.106	32	49.33	33	37.865	35	19.33	65
30	56.503	8	39.07	99	8.22	3	60.27	250	48.074	8	49.66	55	37.830	7	18.68	49
Apr. 9	56.511	57	38.08	80	8.19	6	57.77	243	48.082	51	50.21	77	37.837	54	18.19	29
19	56.568	109	37.28	58	8.25	16	55.34	226	48.133	95	50.98	101	37.891	103	17.90	6
29	56.677	160	36.70	30	8.41	24	53.08	200	48.228	139	51.99	124	37.994	149	17.84	21
Mai 9	56.837	208	36.40	0	8.65	34	51.08	167	48.367	182	53.23	144	38.143	195	18.05	48
19	57.045	250	36.40	31	8.99	41	49.41	127	48.549	220	54.67	164	38.338	236	18.53	75
29	57.295	287	36.71	62	9.40	48	48.14	85	48.769	254	56.31	179	38.574	270	19.28	102
Juni 8	57.582	315	37.33	93	9.88	53	47.29	38	49.023	280	58.10	190	38.844	298	20.30	125
18	57.897	336	38.26	120	10.41	56	46.91	9	49.303	300	60.00	197	39.142	317	21.55	147
28	58.233	347	39.46	145	10.97	58	47.00	56	49.603	311	61.97	198	39.459	329	23.02	165
Juli 8	58.580	351	40.91	166	11.55	59	47.56	102	49.914	315	63.95	195	39.788	332	24.67	178
18	58.931	345	42.57	184	12.14	59	48.58	146	50.229	312	65.90	187	40.120	328	26.45	186
28	59.276	333	44.41	196	12.73	56	50.04	185	50.541	301	67.77	173	40.448	317	28.31	191
Aug. 7	59.609	314	46.37	203	13.29	53	51.89	222	50.842	285	69.50	155	40.765	298	30.22	189
17	59.923	289	48.40	206	13.82	50	54.11	252	51.127	262	71.05	134	41.063	276	32.11	185
27	60.212	261	50.46	206	14.32	44	56.63	278	51.389	236	72.39	111	41.339	249	33.96	177
Sept. 6	60.473	229	52.52	201	14.76	39	59.41	299	51.625	207	73.50	86	41.588	219	35.73	164
16	60.702	195	54.53	192	15.15	33	62.40	314	51.832	177	74.36	60	41.807	187	37.37	150
26	60.897	162	56.45	181	15.48	26	65.54	322	52.009	145	74.96	35	41.994	155	38.87	134
Okt. 6	61.059	127	58.26	167	15.74	20	68.76	325	52.154	114	75.31	12	42.149	122	40.21	117
16	61.186	93	59.93	152	15.94	13	72.01	320	52.268	83	75.43	8	42.271	91	41.38	99
25	61.279	60	61.45	134	16.07	6	75.21	310	52.351	53	75.35	27	42.362	60	42.37	81
Nov. 4	61.339	27	62.79	115	16.13	1	78.31	292	52.404	25	75.08	41	42.422	30	43.18	64
14	61.366	5	63.94	94	16.12	8	81.23	267	52.429	3	74.67	52	42.452	0	43.82	46
24	61.361	35	64.88	73	16.04	15	83.90	236	52.426	28	74.15	58	42.452	27	44.28	28
Dez. 4	61.326	65	65.61	49	15.89	21	86.26	198	52.398	51	73.57	63	42.425	54	44.56	10
14	61.261	91	66.10	25	15.68	27	88.24	154	52.347	73	72.94	65	42.371	79	44.66	6
24	61.170	115	66.35	0	15.41	32	89.78	105	52.274	93	72.29	64	42.292	101	44.60	23
34	61.055		66.35		15.09		90.83		52.181		71.65		42.191		44.37	
Mittl. Ort	58.289		43.51		11.66		59.03		49.558		57.43		39.470		24.29	
sec δ, tg δ	1.146		+0.560		2.227		+1.990		1.001		+0.049		1.067		+0.373	

Scheinbare Sternörter 1928

Tag	67) ψ Phoenicis				68) χ Eridani				72) α Hydri				71) υ Ceti			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1928	1h 50m		−46° 38′		1h 53m		−51° 57′		1h 56m		−61° 54′		1h 56m		−21° 25′	
Jan. 0	45.580 s	219	98.17″	75	9.463 s	255	82.67″	71	30.61 s	37	94.09″	63	36.375 s	126	47.02″	87
10	45.361	231	98.92	25	9.208	268	83.38	18	30.24	39	94.72	5	36.249	139	47.89	57
20	45.130	234	99.17	27	8.940	272	83.56	37	29.85	39	94.77	53	36.110	146	48.46	25
30	44.896	231	98.90	77	8.668	267	83.19	89	29.46	38	94.24	110	35.964	149	48.71	8
Feb. 9	44.665	218	98.13	125	8.401	252	82.30	140	29.08	36	93.14	164	35.815	143	48.63	40
19	44.447	198	96.88	171	8.149	228	80.90	188	28.72	33	91.50	212	35.672	131	48.23	73
29	44.249	167	95.17	212	7.921	196	79.02	229	28.39	29	89.38	256	35.541	110	47.50	105
März 10	44.082	130	93.05	248	7.725	154	76.73	267	28.10	23	86.82	293	35.431	83	46.45	136
20	43.952	85	90.57	280	7.571	104	74.06	298	27.87	16	83.89	325	35.348	49	45.09	164
30	43.867	35	87.77	306	7.467	49	71.08	324	27.71	10	80.64	348	35.299	10	43.45	191
Apr. 9	43.832	20	84.71	325	7.418	11	67.84	342	27.61	2	77.16	365	35.289	34	41.54	214
19	43.852	78	81.46	338	7.429	74	64.42	354	27.59	6	73.51	373	35.323	80	39.40	235
29	43.930	136	78.08	344	7.503	137	60.88	358	27.65	14	69.78	374	35.403	126	37.05	250
Mai 9	44.066	193	74.64	342	7.640	200	57.30	353	27.79	22	66.04	367	35.529	171	34.55	261
19	44.259	245	71.22	332	7.840	258	53.77	343	28.01	29	62.37	351	35.700	212	31.94	266
29	44.504	292	67.90	316	8.098	311	50.34	324	28.30	36	58.86	328	35.912	249	29.28	266
Juni 8	44.796	333	64.74	292	8.409	356	47.10	295	28.66	43	55.58	296	36.161	279	26.62	259
18	45.129	365	61.82	260	8.765	392	44.15	262	29.09	47	52.62	258	36.440	303	24.03	246
28	45.494	387	59.22	222	9.157	418	41.53	221	29.56	50	50.04	213	36.743	318	21.57	226
Juli 8	45.881	400	57.00	178	9.575	433	39.32	174	30.06	53	47.91	162	37.061	325	19.31	202
18	46.281	401	55.22	129	10.008	437	37.58	123	30.59	54	46.29	108	37.386	325	17.29	170
28	46.682	393	53.93	78	10.445	429	36.35	69	31.13	53	45.21	49	37.711	316	15.59	135
Aug. 7	47.075	374	53.15	23	10.874	410	35.66	13	31.66	51	44.72	10	38.027	301	14.24	96
17	47.449	346	52.92	31	11.284	381	35.53	44	32.17	48	44.82	68	38.328	279	13.28	56
27	47.795	311	53.23	84	11.665	343	35.97	99	32.65	43	45.50	125	38.607	252	12.72	14
Sept. 6	48.106	269	54.07	133	12.008	296	36.96	148	33.08	37	46.75	175	38.859	222	12.58	26
16	48.375	221	55.40	177	12.304	244	38.44	193	33.45	30	48.50	221	39.081	188	12.84	65
26	48.596	170	57.17	213	12.548	188	40.37	230	33.75	23	50.71	258	39.269	152	13.49	98
Okt. 6	48.766	119	59.30	241	12.736	128	42.67	258	33.98	15	53.29	283	39.421	117	14.47	128
16	48.885	66	61.71	259	12.864	69	45.25	274	34.13	7	56.12	299	39.538	82	15.75	149
25	48.951	14	64.30	267	12.933	11	47.99	281	34.20	1	59.11	303	39.620	48	17.24	164
Nov. 4	48.965	33	66.97	262	12.944	45	50.80	275	34.19	9	62.14	293	39.668	16	18.88	172
14	48.932	79	69.59	248	12.899	97	53.55	258	34.10	17	65.07	273	39.684	15	20.60	171
24	48.853	118	72.07	223	12.802	143	56.13	231	33.93	23	67.80	241	39.669	44	22.31	162
Dez. 4	48.735	154	74.30	191	12.659	182	58.44	195	33.70	27	70.21	200	39.625	70	23.93	148
14	48.581	183	76.21	150	12.477	216	60.39	152	33.43	32	72.21	151	39.555	93	25.41	128
24	48.398	207	77.71	104	12.261	242	61.91	103	33.11	36	73.72	98	39.462	113	26.69	103
34	48.191		78.75		12.019		62.94		32.75		74.70		39.349		27.72	
Mittl. Ort	45.621		78.17		9.340		61.69		30.03		71.64		36.745		33.86	
sec δ, tg δ	1.457		−1.059		1.623		−1.278		2.124		−1.874		1.074		−0.392	

Tag	70) 50 Cassiopeiae AR.		Dekl.		73) γ Andromedae AR.		Dekl.		74) α Arietis AR.		Dekl.		75) β Trianguli AR.		Dekl.	
1928	$1^h\ 57^m$		+72° 4′		$1^h\ 59^m$		+41° 58′		$2^h\ 3^m$		+23° 7′		$2^h\ 5^m$		+34° 38′	
Jan. 0	14.49	55	39.12	106	27.646	166	72.70	24	5.990	116	23.38	22	14.553	138	55.94	8
10	13.94	60	40.18	48	27.480	188	72.94	13	5.874	133	23.16	40	14.415	159	56.02	20
20	13.34	62	40.66	10	27.292	201	72.81	48	5.741	146	22.76	55	14.256	173	55.82	48
30	12.72	61	40.56	69	27.091	206	72.33	81	5.595	151	22.21	69	14.083	179	55.34	74
Feb. 9	12.11	59	39.87	123	26.885	199	71.52	111	5.444	147	21.52	80	13.904	174	54.60	97
19	11.52	53	38.64	171	26.686	182	70.41	135	5.297	136	20.72	86	13.730	161	53.63	115
29	10.99	46	36.93	211	26.504	153	69.06	153	5.161	115	19.86	88	13.569	137	52.48	128
März 10	10.53	35	34.82	243	26.351	114	67.53	165	5.046	85	18.98	86	13.432	103	51.20	133
20	10.18	23	32.39	263	26.237	66	65.88	167	4.961	48	18.12	77	13.329	61	49.87	133
30	9.95	10	29.76	272	26.171	11	64.21	162	4.913	5	17.35	64	13.268	13	48.54	125
Apr. 9	9.85	4	27.04	271	26.160	47	62.59	150	4.908	42	16.71	45	13.255	41	47.29	110
19	9.89	18	24.33	258	26.207	106	61.09	129	4.950	91	16.26	24	13.296	95	46.19	91
29	10.07	31	21.75	236	26.313	167	59.80	104	5.041	140	16.02	2	13.391	150	45.28	65
Mai 9	10.38	43	19.39	205	26.480	222	58.76	74	5.181	187	16.04	28	13.541	201	44.63	37
19	10.81	54	17.34	167	26.702	273	58.02	39	5.368	230	16.32	56	13.742	248	44.26	5
29	11.35	64	15.67	124	26.975	315	57.63	3	5.598	266	16.88	83	13.990	289	44.21	27
Juni 8	11.99	71	14.43	77	27.290	350	57.60	33	5.864	296	17.71	108	14.279	321	44.48	59
18	12.70	77	13.66	28	27.640	376	57.93	70	6.160	318	18.79	132	14.600	346	45.07	90
28	13.47	80	13.38	22	28.016	390	58.63	104	6.478	331	20.11	151	14.946	360	45.97	119
Juli 8	14.27	81	13.60	72	28.406	396	59.67	136	6.809	337	21.62	166	15.306	367	47.16	145
18	15.08	82	14.32	120	28.802	392	61.03	162	7.146	334	23.28	178	15.673	364	48.61	166
28	15.90	79	15.52	165	29.194	381	62.65	188	7.480	325	25.06	185	16.037	354	50.27	185
Aug. 7	16.69	75	17.17	206	29.575	361	64.53	208	7.805	309	26.91	187	16.391	338	52.12	198
17	17.44	70	19.23	244	29.936	336	66.61	222	8.114	288	28.78	186	16.729	314	54.10	207
27	18.14	64	21.67	276	30.272	305	68.83	234	8.402	261	30.64	179	17.043	287	56.17	211
Sept. 6	18.78	56	24.43	303	30.577	271	71.17	239	8.663	234	32.43	170	17.330	257	58.28	212
16	19.34	48	27.46	324	30.848	235	73.56	241	8.897	202	34.13	159	17.587	223	60.40	209
26	19.82	38	30.70	340	31.083	195	75.97	239	9.099	170	35.72	145	17.810	188	62.49	202
Okt. 6	20.20	29	34.10	347	31.278	156	78.36	231	9.269	139	37.17	129	17.998	153	64.51	192
16	20.49	19	37.57	348	31.434	117	80.67	221	9.408	106	38.46	113	18.151	118	66.43	180
25	20.68	8	41.05	342	31.551	76	82.88	207	9.514	75	39.59	96	18.269	82	68.23	165
Nov. 4	20.76	2	44.47	328	31.627	37	84.95	190	9.589	44	40.55	79	18.351	46	69.88	148
14	20.74	13	47.75	305	31.664	3	86.85	167	9.633	13	41.34	62	18.397	12	71.36	128
24	20.61	24	50.80	276	31.661	41	88.52	142	9.646	16	41.96	43	18.409	24	72.64	106
Dez. 4	20.37	33	53.56	237	31.620	79	89.94	112	9.630	47	42.39	26	18.385	58	73.70	81
14	20.04	43	55.93	192	31.541	114	91.06	82	9.583	74	42.65	8	18.327	89	74.51	56
24	19.61	51	57.85	141	31.427	145	91.88	47	9.509	98	42.73	11	18.238	118	75.07	27
34	19.10		59.26		31.282		92.35		9.411		42.62		18.120		75.34	
Mittl. Ort	14.85		26.34		28.256		65.87		6.565		22.01		15.132		51.12	
sec δ, tg δ	3.249		+3.091		1.345		+0.900		1.087		+0.427		1.216		+0.691	

Tag	76) 55 Cassiopeiae AR.		76) 55 Cassiopeiae Dekl.		78) Lac. μ Fornacis AR.		78) Lac. μ Fornacis Dekl.		80) 67 Ceti AR.		80) 67 Ceti Dekl.		85) ξ^2 Ceti AR.		85) ξ^2 Ceti Dekl.	
1928	$2^h\ 8^m$		+66° 11′		$2^h\ 9^m$		−31° 3′		$2^h\ 13^m$		−6° 44′		$2^h\ 24^m$		+8° 8′	
Jan. 0	48.06	38	28.99	103	44.107	146	55.23	99	23.049	104	79.91	81	19.264	96	14.25	52
10	47.68	42	30.02	49	43.961	163	56.22	61	22.945	120	80.72	65	19.168	116	13.73	52
20	47.26	45	30.51	5	43.798	172	56.83	20	22.825	132	81.37	47	19.052	131	13.21	51
30	46.81	45	30.46	59	43.626	175	57.03	22	22.693	138	81.84	29	18.921	139	12.70	48
Feb. 9	46.36	44	29.87	111	43.451	171	56.81	62	22.555	137	82.13	8	18.782	141	12.22	42
19	45.92	40	28.76	156	43.280	159	56.19	101	22.418	129	82.21	13	18.641	134	11.80	35
29	45.52	35	27.20	194	43.121	139	55.18	139	22.289	111	82.08	36	18.507	118	11.45	25
März 10	45.17	28	25.26	224	42.982	110	53.79	174	22.178	87	81.72	59	18.389	94	11.20	12
20	44.89	18	23.02	244	42.872	76	52.05	206	22.091	55	81.13	83	18.295	62	11.08	4
30	44.71	9	20.58	254	42.796	34	49.99	235	22.036	18	80.30	107	18.233	24	11.12	22
Apr. 9	44.62	2	18.04	251	42.762	12	47.64	258	22.018	24	79.23	130	18.209	18	11.34	42
19	44.64	12	15.53	240	42.774	60	45.06	278	22.042	68	77.93	153	18.227	64	11.76	65
29	44.76	23	13.13	220	42.834	110	42.28	292	22.110	113	76.40	173	18.291	110	12.41	86
Mai 9	44.99	33	10.93	191	42.944	158	39.36	299	22.223	157	74.67	191	18.401	154	13.27	107
19	45.32	42	9.02	155	43.102	203	36.37	301	22.380	198	72.76	205	18.555	196	14.34	128
29	45.74	50	7.47	114	43.305	245	33.36	296	22.578	233	70.71	215	18.751	233	15.62	147
Juni 8	46.24	55	6.33	70	43.550	279	30.40	283	22.811	264	68.56	219	18.984	264	17.09	162
18	46.79	60	5.63	24	43.829	307	27.57	263	23.075	287	66.37	219	19.248	289	18.71	173
28	47.39	63	5.39	23	44.136	328	24.94	238	23.362	303	64.18	212	19.537	304	20.44	179
Juli 8	48.02	65	5.62	70	44.464	338	22.56	206	23.665	312	62.06	201	19.841	314	22.23	182
18	48.67	65	6.32	115	44.802	342	20.50	167	23.977	312	60.05	183	20.155	316	24.05	179
28	49.32	63	7.47	158	45.144	336	18.83	125	24.289	306	58.22	161	20.471	310	25.84	171
Aug. 7	49.95	61	9.05	196	45.480	322	17.58	80	24.595	293	56.61	135	20.781	299	27.55	159
17	50.56	57	11.01	230	45.802	303	16.78	32	24.888	275	55.26	106	21.080	281	29.14	144
27	51.13	53	13.31	260	46.105	276	16.46	16	25.163	251	54.20	74	21.361	260	30.58	124
Sept. 6	51.66	47	15.91	286	46.381	244	16.62	62	25.414	225	53.46	42	21.621	235	31.82	104
16	52.13	40	18.77	304	46.625	209	17.24	105	25.639	196	53.04	10	21.856	208	32.86	82
26	52.53	34	21.81	318	46.834	172	18.29	142	25.835	166	52.94	20	22.064	179	33.68	60
Okt. 6	52.87	27	24.99	325	47.006	133	19.71	174	26.001	134	53.14	47	22.243	150	34.28	38
16	53.14	19	28.24	326	47.139	93	21.45	198	26.135	103	53.61	69	22.393	121	34.66	18
25*)	(24) 53.33	11	31.50	321	(24) 47.232	55	23.43	213	(25) 26.238	73	54.30	88	(28) 22.514	90	34.84	0
Nov. 4	53.44	3	34.71	307	47.287	18	25.56	218	26.311	43	55.18	100	22.604	61	34.84	14
14	53.47	5	37.78	287	47.305	18	27.74	214	26.354	13	56.18	108	22.665	32	34.70	27
24	53.42	13	40.65	260	47.287	51	29.88	201	26.367	14	57.26	109	22.697	3	34.43	36
Dez. 4	53.29	21	43.25	224	47.236	81	31.89	181	26.353	41	58.35	106	22.700	26	34.07	43
14	53.08	28	45.49	183	47.155	109	33.70	154	26.312	66	59.41	99	22.674	54	33.64	48
24	52.80	34	47.32	136	47.046	133	35.24	121	26.246	88	60.40	88	22.620	78	33.16	51
34	52.46		48.68		46.913		36.45		26.158		61.28		22.542		32.65	
Mittl. Ort	48.43		17.15		44.275		39.78		23.439		71.81		19.680		17.38	
sec δ, tg δ	2.477		+2.266		1.167		−0.602		1.007		−0.118		1.010		+0.143	

*) Bei Stern 85) lies Okt. 26

Tag	87) 36 H. Cassiopeiae AR.		87) 36 H. Cassiopeiae Dekl.		90) μ Hydri AR.		90) μ Hydri Dekl.		89) ν Arietis AR.		89) ν Arietis Dekl.		91) δ Ceti AR.		91) δ Ceti Dekl.	
1928	2h 31m		+72° 30′		2h 33m		−79° 24′		2h 34m		+21° 38′		2h 35m		+0° 0′	
Jan. 0	8.88s	51	29.97″	148	13.88s	112	107.12″	85	42.980s	100	64.70″	13	47.075s	92	62.01″	72
10	8.37	58	31.45	93	12.76	118	107.97	24	42.880	124	64.57	27	46.983	114	61.29	63
20	7.79	62	32.38	36	11.58	121	108.21	36	42.756	143	64.30	41	46.869	130	60.66	52
30	7.17	64	32.74	22	10.37	120	107.85	96	42.613	153	63.89	51	46.739	141	60.14	40
Feb. 9	6.53	63	32.52	78	9.17	116	106.89	152	42.460	157	63.38	61	46.598	143	59.74	26
19	5.90	60	31.74	130	8.01	109	105.37	204	42.303	151	62.77	67	46.455	138	59.48	11
29	5.30	53	30.44	177	6.92	100	103.33	250	42.152	135	62.10	70	46.317	124	59.37	7
März 10	4.77	44	28.67	214	5.92	87	100.83	290	42.017	110	61.40	69	46.193	103	59.44	25
20	4.33	33	26.53	242	5.05	73	97.93	324	41.907	76	60.71	63	46.090	73	59.69	45
30	4.00	20	24.11	260	4.32	56	94.69	349	41.831	36	60.08	52	46.017	36	60.14	67
Apr. 9	3.80	6	21.51	267	3.76	39	91.20	367	41.795	10	59.56	37	45.981	5	60.81	88
19	3.74	8	18.84	263	3.37	19	87.53	378	41.805	58	59.19	18	45.986	49	61.69	111
29	3.82	22	16.21	249	3.18	0	83.75	379	41.863	108	59.01	3	46.035	95	62.80	132
Mai 9	4.04	35	13.72	226	3.18	19	79.96	374	41.971	156	59.04	27	46.130	139	64.12	151
19	4.39	48	11.46	196	3.37	38	76.22	360	42.127	200	59.31	50	46.269	181	65.63	168
29	4.87	59	9.50	159	3.75	57	72.62	338	42.327	240	59.81	75	46.450	219	67.31	182
Juni 8	5.46	67	7.91	116	4.32	74	69.24	307	42.567	274	60.56	98	46.669	251	69.13	192
18	6.13	75	6.75	71	5.06	88	66.17	269	42.841	301	61.54	119	46.920	277	71.05	197
28	6.88	81	6.04	24	5.94	101	63.48	225	43.142	318	62.73	136	47.197	295	73.02	197
Juli 8	7.69	83	5.80	24	6.95	111	61.23	175	43.460	330	64.09	151	47.492	307	74.99	192
18	8.52	85	6.04	71	8.06	118	59.48	119	43.790	333	65.60	160	47.799	311	76.91	182
28	9.37	84	6.75	118	9.24	120	58.29	60	44.123	328	67.20	167	48.110	307	78.73	167
Aug. 7	10.21	82	7.93	161	10.44	121	57.69	0	44.451	318	68.87	168	48.417	298	80.40	147
17	11.03	79	9.54	201	11.65	115	57.69	61	44.769	301	70.55	166	48.715	283	81.87	123
27	11.82	73	11.55	236	12.80	108	58.30	120	45.070	281	72.21	160	48.998	263	83.10	98
Sept. 6	12.55	67	13.91	268	13.88	97	59.50	175	45.351	256	73.81	150	49.261	240	84.08	71
16	13.22	59	16.59	294	14.85	81	61.25	223	45.607	229	75.31	139	49.501	214	84.79	42
26	13.81	51	19.53	316	15.66	64	63.48	264	45.836	201	76.70	127	49.715	186	85.21	14
Okt. 6	14.32	42	22.69	330	16.30	44	66.12	294	46.037	171	77.97	111	49.901	157	85.35	10
16	14.74	31	25.99	337	16.74	23	69.06	313	46.208	140	79.08	97	50.058	128	85.25	33
26	15.05	20	29.36	338	16.97	1	72.19	319	46.348	109	80.05	82	50.186	98	84.92	51
Nov. 4	[29] 15.25	10	32.74	333	[30] 16.98	22	75.38	314	[30] 46.457	78	80.87	68	[30] 50.284	68	84.41	65
14	15.35	2	36.07	318	16.76	43	78.52	296	46.535	46	81.55	53	50.352	39	83.76	76
24	15.33	13	39.25	295	16.33	62	81.48	265	46.581	13	82.08	38	50.391	9	83.00	81
Dez. 4	15.20	25	42.20	264	15.71	81	84.13	225	46.594	19	82.46	25	50.400	20	82.19	83
14	14.95	36	44.84	226	14.90	95	86.38	176	46.575	50	82.71	10	50.380	49	81.36	80
24	14.59	45	47.10	180	13.95	106	88.14	120	46.525	80	82.81	4	50.331	74	80.56	76
34	14.14		48.90		12.89		89.34		46.445		82.77		50.257		79.80	
Mittl. Ort	8.76		17.63		9.32		85.27		43.388		63.56		47.390		67.44	
sec δ, tg δ	3.326		+3.173		5.448		−5.356		1.076		+0.397		1.000		0.000	

Scheinbare Sternörter 1928

Tag	93) ϑ Persei AR.		93) ϑ Persei Dekl.		97) π Ceti AR.		97) π Ceti Dekl.	
1928	$2^{h}\ 39^{m}$		$+48^{\circ}\ 55'$		$2^{h}\ 40^{m}$		$-14^{\circ}\ 9'$	
Jan. 0	15.933	171	38.33	79	41.520	102	55.61	103
10	15.762	206	39.12	40	41.418	124	56.64	79
20	15.556	232	39.52	1	41.294	141	57.43	54
30	15.324	248	39.53	39	41.153	151	57.97	27
Feb. 9	15.076	250	39.14	76	41.002	154	58.24	1
19	14.826	240	38.38	110	40.848	149	58.23	30
29	14.586	215	37.28	139	40.699	135	57.93	58
März 10	14.371	178	35.89	161	40.564	114	57.35	87
20	14.193	129	34.28	175	40.450	85	56.48	114
30	14.064	72	32.53	182	40.365	49	55.34	141
Apr. 9	13.992	7	30.71	179	40.316	8	53.93	166
19	13.985	60	28.92	169	40.308	37	52.27	189
29	14.045	129	27.23	151	40.345	82	50.38	209
Mai 9	14.174	194	25.72	128	40.427	128	48.29	225
19	14.368	256	24.44	99	40.555	172	46.04	237
29	14.624	310	23.45	66	40.727	210	43.67	243
Juni 8	14.934	356	22.79	31	40.937	245	41.24	245
18	15.290	391	22.48	5	41.182	273	38.79	239
28	15.681	418	22.53	41	41.455	293	36.40	229
Juli 8	16.099	433	22.94	77	41.748	307	34.11	211
18	16.532	439	23.71	110	42.055	312	32.00	189
28	16.971	436	24.81	140	42.367	311	30.11	160
Aug 7	17.407	423	26.21	167	42.678	303	28.51	128
17	17.830	405	27.88	191	42.981	289	27.23	92
27	18.235	378	29.79	210	43.270	269	26.31	54
Sept. 6	18.613	348	31.89	225	43.539	246	25.77	16
16	18.961	312	34.14	235	43.785	219	25.61	22
26	19.273	274	36.49	242	44.004	190	25.83	56
Okt. 6	19.547	234	38.91	245	44.194	160	26.39	88
16	19.781	191	41.36	243	44.354	128	27.27	114
26	19.972	145	43.79	236	44.482	96	28.41	134
Nov. 4	20.117	99	46.15	226	44.578	65	29.75	147
14	20.216	50	48.41	211	44.643	33	31.22	153
24	20.266	1	50.52	191	44.676	1	32.75	152
Dez. 4	20.267	48	52.43	166	44.677	29	34.27	146
14	20.219	97	54.09	136	44.648	57	35.73	132
24	20.122	141	55.45	103	44.591	86	37.05	115
34	19.981		56.48		44.505		38.20	
Mittl. Ort	16.269		30.09		41.697		46.08	
sec δ, tg δ	1.522		+1.147		1.031		−0.252	

Tag	98) μ Ceti AR.		98) μ Ceti Dekl.		100) 41 Arietis AR.		100) 41 Arietis Dekl.	
1928	$2^{h}\ 41^{m}$		$+9^{\circ}\ 48'$		$2^{h}\ 45^{m}$		$+26^{\circ}\ 57'$	
Jan. 0	2.462	89	37.42	47	44.063	101	55.88	8
10	2.373	112	36.95	48	43.962	128	55.96	10
20	2.261	131	36.47	48	43.834	150	55.86	29
30	2.130	142	35.99	46	43.684	164	55.57	45
Feb. 9	1.988	146	35.53	42	43.520	168	55.12	61
19	1.842	142	35.11	37	43.352	164	54.51	73
29	1.700	128	34.74	29	43.188	150	53.78	82
März 10	1.572	107	34.45	17	43.038	124	52.96	85
20	1.465	76	34.28	4	42.914	90	52.11	84
30	1.389	39	34.24	12	42.824	49	51.27	79
Apr. 9	1.350	3	34.36	31	42.775	2	50.48	67
19	1.353	49	34.67	52	42.773	49	49.81	50
29	1.402	95	35.19	73	42.822	100	49.31	31
Mai 9	1.497	141	35.92	94	42.922	150	49.00	9
19	1.638	184	36.86	114	43.072	198	48.91	16
29	1.822	222	38.00	133	43.270	241	49.07	42
Juni 8	2.044	255	39.33	149	43.511	276	49.49	67
18	2.299	282	40.82	161	43.787	305	50.16	90
28	2.581	301	42.43	170	44.092	326	51.06	111
Juli 8	2.882	312	44.13	173	44.418	339	52.17	130
18	3.194	316	45.86	172	44.757	343	53.47	145
28	3.510	314	47.58	166	45.100	342	54.92	156
Aug 7	3.824	304	49.24	157	45.442	332	56.48	163
17	4.128	290	50.81	142	45.774	317	58.11	166
27	4.418	271	52.23	126	46.091	297	59.77	166
Sept. 6	4.689	248	53.49	106	46.388	274	61.43	162
16	4.937	222	54.55	85	46.662	248	63.05	155
26	5.159	196	55.40	64	46.910	219	64.60	146
Okt. 6	5.355	168	56.04	44	47.129	189	66.06	136
16	5.523	139	56.48	25	47.318	159	67.42	124
26	5.662	109	56.73	7	47.477	126	68.66	112
Nov. 4	5.771	79	56.80	7	47.603	93	69.78	98
14	5.850	49	56.73	19	47.696	59	70.76	84
24	5.899	19	56.54	29	47.755	24	71.60	69
Dez. 4	5.918	12	56.25	36	47.779	11	72.29	54
14	5.906	42	55.89	42	47.768	45	72.83	37
24	5.864	70	55.47	44	47.723	78	73.20	20
34	5.794		55.03		47.645		73.40	
Mittl. Ort	2.802		39.76		44.423		53.18	
sec δ, tg δ	1.015		+0.173		1.122		+0.509	

Tag	101) β Fornacis AR.		101) β Fornacis Dekl.		102) τ² Eridani AR.		102) τ² Eridani Dekl.		103) τ Persei AR.		103) τ Persei Dekl.		104) η Eridani AR.		104) η Eridani Dekl.	
1928	2ʰ 46ᵐ		−32° 42′		2ʰ 47ᵐ		−21° 17′		2ʰ 49ᵐ		+52° 28′		2ʰ 52ᵐ		−9° 10′	
Jan. 0	4.707	141	41.57	130	46.268	112	71.97	119	8.182	183	17.48	100	54.363	92	69.63	98
10	4.566	164	42.87	91	46.156	134	73.16	88	7.999	224	18.48	61	54.271	115	70.61	80
20	4.402	182	43.78	49	46.022	153	74.04	57	7.775	255	19.09	18	54.156	135	71.41	59
30	4.220	192	44.27	6	45.869	163	74.61	22	7.520	273	19.27	25	54.021	147	72.00	37
Feb. 9	4.028	194	44.33	38	45.706	167	74.83	12	7.247	279	19.02	65	53.874	152	72.37	13
19	3.834	189	43.95	80	45.539	163	74.71	46	6.968	270	18.37	103	53.722	150	72.50	11
29	3.645	173	43.15	121	45.376	149	74.25	81	6.698	245	17.34	136	53.572	139	72.39	37
März 10	3.472	149	41.94	159	45.227	129	73.44	113	6.453	208	15.98	162	53.433	119	72.02	61
20	3.323	118	40.35	195	45.098	99	72.31	145	6.245	156	14.36	181	53.314	91	71.41	87
30	3.205	78	38.40	226	44.999	63	70.86	174	6.089	96	12.55	190	53.223	56	70.54	112
Apr. 9	3.127	34	36.14	254	44.936	21	69.12	200	5.993	27	10.65	193	53.167	16	69.42	136
19	3.093	15	33.60	277	44.915	24	67.12	224	5.966	46	8.72	185	53.151	28	68.06	159
29	3.108	66	30.83	294	44.939	71	64.88	243	6.012	118	6.87	171	53.179	73	66.47	179
Mai 9	3.174	116	27.89	306	45.010	118	62.45	258	6.130	190	5.16	149	53.252	118	64.68	197
19	3.290	165	24.83	310	45.128	162	59.87	268	6.320	257	3.67	122	53.370	162	62.71	211
29	3.455	210	21.73	308	45.290	205	57.19	270	6.577	315	2.45	90	53.532	202	60.60	221
Juni 8	3.665	250	18.65	299	45.495	241	54.49	268	6.892	366	1.55	55	53.734	236	58.39	225
18	3.915	283	15.66	282	45.736	270	51.81	259	7.258	408	1.00	19	53.970	264	56.14	225
28	4.198	310	12.84	258	46.006	294	49.22	243	7.666	438	0.81	19	54.234	286	53.89	218
Juli 8	4.508	328	10.26	227	46.300	310	46.79	220	8.104	457	1.00	56	54.520	301	51.71	206
18	4.836	338	7.99	190	46.610	317	44.59	192	8.561	466	1.56	91	54.821	309	49.65	187
28	5.174	340	6.09	148	46.927	318	42.67	158	9.027	465	2.47	124	55.130	308	47.78	164
Aug. 7	5.514	333	4.61	101	47.245	312	41.09	120	9.492	455	3.71	154	55.438	302	46.14	137
17	5.847	320	3.60	52	47.557	298	39.89	78	9.947	437	5.25	181	55.740	289	44.77	105
27	6.167	300	3.08	2	47.855	279	39.11	35	10.384	411	7.06	203	56.029	273	43.72	71
Sept. 6	6.467	274	3.06	48	48.134	257	38.76	8	10.795	381	9.09	222	56.302	251	43.01	35
16	6.741	243	3.54	96	48.391	229	38.84	51	11.176	346	11.31	237	56.553	226	42.66	1
26	6.984	209	4.50	139	48.620	199	39.35	89	11.522	306	13.68	247	56.779	199	42.65	33
Okt. 6	7.193	172	5.89	175	48.819	168	40.24	123	11.828	263	16.15	253	56.978	171	42.98	62
16	7.365	134	7.64	204	48.987	134	41.47	152	12.091	217	18.68	255	57.149	141	43.60	88
26	7.499	95	9.68	225	49.121	100	42.99	173	12.308	169	21.23	251	57.290	111	44.48	109
Nov. 4	7.594	55	11.93	236	49.221	67	44.72	185	12.477	118	23.74	244	57.401	80	45.57	123
14	7.649	16	14.29	236	49.288	32	46.57	190	12.595	64	26.18	230	57.481	49	46.80	132
24	7.665	21	16.65	228	49.320	1	48.47	186	12.659	9	28.48	212	57.530	18	48.12	133
Dez. 4	7.644	58	18.93	209	49.319	33	50.33	175	12.668	45	30.60	188	57.548	14	49.45	130
14	7.586	92	21.02	184	49.286	65	52.08	158	12.623	99	32.48	158	57.534	44	50.75	121
24	7.494	122	22.86	152	49.221	93	53.66	135	12.524	150	34.06	124	57.490	73	51.96	107
34	7.372		24.38		49.128		55.01		12.374		35.30		57.417		53.03	
Mittl. Ort	4.596		27.33		46.324		60.72		8.423		8.64		54.522		61.94	
sec δ, tg δ	1.188		−0.642		1.073		−0.390		1.642		+1.302		1.013		−0.162	

Scheinbare Sternörter 1928

Tag	106) ϑ Eridani AR.		106) ϑ Eridani Dekl.		105) 47 H. Cephei AR.		105) 47 H. Cephei Dekl.		107) α Ceti AR.		107) α Ceti Dekl.		108) γ Persei AR.		108) γ Persei Dekl.	
1928	2h 55m		−40° 35′		2h 56m		+79° 8′		2h 58m		+3° 48′		2h 59m		+53° 13′	
	s		″		s		″		s		″		s		″	
Jan. 0	32.103	169	48.22	145	27.48	79	24.40	196	30.558	81	25.71	64	33.976	177	41.64	112
10	31.934	195	49.67	100	26.69	92	26.36	143	30.477	107	25.07	59	33.799	222	42.76	73
20	31.739	214	50.67	52	25.77	102	27.79	84	30.370	128	24.48	51	33.577	256	43.49	31
30	31.525	227	51.19	4	24.75	106	28.63	23	30.242	142	23.97	43	33.321	279	43.80	12
Feb. 9	31.298	230	51.23	45	23.69	107	28.86	38	30.100	149	23.54	33	33.042	287	43.68	53
19	31.068	224	50.78	92	22.62	103	28.48	95	29.951	148	23.21	21	32.755	280	43.15	93
29	30.844	209	49.86	137	21.59	95	27.53	149	29.803	137	23.00	7	32.475	259	42.22	127
März 10	30.635	184	48.49	179	20.64	81	26.04	195	29.666	118	22.93	8	32.216	222	40.95	155
20	30.451	150	46.70	217	19.83	66	24.09	231	29.548	90	23.01	25	31.994	172	39.40	176
30	30.301	109	44.53	252	19.17	46	21.78	259	29.458	56	23.26	44	31.822	112	37.64	188
Apr. 9	30.192	61	42.01	280	18.71	25	19.19	275	29.402	15	23.70	64	31.710	48	35.76	193
19	30.131	8	39.21	303	18.46	3	16.44	279	29.387	29	24.34	84	31.662	33	33.83	188
29	30.123	46	36.18	321	18.43	20	13.65	275	29.416	75	25.18	105	31.695	105	31.95	176
Mai 9	30.169	101	32.97	331	18.63	40	10.90	259	29.491	120	26.23	125	31.800	177	30.19	157
19	30.270	154	29.66	334	19.03	60	8.31	234	29.611	163	27.48	143	31.977	246	28.62	131
29	30.424	205	26.32	329	19.63	78	5.97	203	29.774	204	28.91	158	32.223	308	27.31	101
Juni 8	30.629	251	23.03	317	20.41	95	3.94	165	29.978	237	30.49	170	32.531	361	26.30	68
18	30.880	289	19.86	297	21.36	108	2.29	122	30.215	266	32.19	179	32.892	405	25.62	32
28	31.169	320	16.89	269	22.44	118	1.07	76	30.481	288	33.98	182	33.297	437	25.30	5
Juli 8	31.489	343	14.20	235	23.62	126	0.31	28	30.769	301	35.80	180	33.734	461	25.35	41
18	31.832	358	11.85	193	24.88	130	0.03	21	31.070	309	37.60	174	34.195	472	25.76	77
28	32.190	362	9.92	146	26.18	132	0.24	69	31.379	309	39.34	164	34.667	474	26.53	110
Aug. 7	32.552	359	8.46	96	27.50	131	0.93	116	31.688	303	40.98	147	35.141	466	27.63	141
17	32.911	347	7.50	41	28.81	127	2.09	161	31.991	291	42.45	128	35.607	451	29.04	168
27	33.258	328	7.09	14	30.08	121	3.70	202	32.282	275	43.73	106	36.058	427	30.72	192
Sept. 6	33.586	301	7.23	67	31.29	113	5.72	240	32.557	255	44.79	81	36.485	399	32.64	213
16	33.887	268	7.90	119	32.42	102	8.12	274	32.812	232	45.60	56	36.884	364	34.77	229
26	34.155	232	9.09	165	33.44	90	10.86	302	33.044	206	46.16	30	37.248	326	37.06	240
Okt. 6	34.387	190	10.74	204	34.34	76	13.88	324	33.250	180	46.46	7	37.574	284	39.46	249
16	34.577	148	12.78	235	35.10	60	17.12	340	33.430	152	46.53	15	37.858	238	41.95	252
26	34.725	103	15.13	257	35.70	44	20.52	350	33.582	123	46.38	33	38.096	189	44.47	251
Nov. 4*)	34.828	57	17.70	267	36.14	25	24.02	350	33.705	93	46.05	48	38.285	137	46.98	246
14	34.885	13	20.37	267	36.39	6	27.52	344	33.798	62	45.57	58	38.422	83	49.44	234
24	34.898	31	23.04	256	36.45	14	30.96	328	33.860	32	44.99	66	38.505	26	51.78	217
Dez. 4	34.867	73	25.60	236	36.31	33	34.24	304	33.892	0	44.33	69	38.531	32	53.95	196
14	34.794	111	27.96	206	35.98	52	37.28	269	33.892	32	43.64	69	38.499	88	55.91	168
24	34.683	148	30.02	170	35.46	69	39.97	226	33.860	61	42.95	66	38.411	142	57.59	135
34	34.535		31.72		34.77		42.23		33.799		42.29		38.269		58.94	
Mittl. Ort	31.747		32.73		26.24		12.00		30.784		29.51		34.139		32.83	
sec δ, tg δ	1.317		−0.857		5.306		+5.210		1.002		+0.067		1.670		+1.338	

*) Bei Stern 105), 107) und 108) lies Nov. 5

Tag	109) ρ Persei AR.		109) ρ Persei Dekl.		110) μ Horologii AR.		110) μ Horologii Dekl.		111) β Persei AR.		111) β Persei Dekl.		114) δ Arietis AR.		114) δ Arietis Dekl.	
1928	$3^h\ 0^m$		+38° 33′		$3^h\ 1^m$		−60° 0′		$3^h\ 3^m$		+40° 40′		$3^h\ 7^m$		+19° 27′	
Jan. 0	33.047	115	50.59	58	56.06	32	78.23	151	28.335	119	52.25	68	30.218	80	20.60	11
10	32.932	149	51.17	30	55.74	36	79.74	97	28.216	155	52.93	39	30.138	110	20.49	21
20	32.783	177	51.47	1	55.38	38	80.71	40	28.061	183	53.32	8	30.028	133	20.28	29
30	32.606	195	51.48	27	55.00	40	81.11	18	27.878	204	53.40	23	29.895	151	19.99	37
Feb. 9	32.411	204	51.21	55	54.60	40	80.93	75	27.674	213	53.17	52	29.744	160	19.62	45
19	32.207	201	50.66	80	54.20	39	80.18	128	27.461	210	52.65	79	29.584	161	19.17	49
29	32.006	185	49.86	101	53.81	36	78.90	179	27.251	195	51.86	103	29.423	150	18.68	51
März 10	31.821	160	48.85	116	53.45	33	77.11	226	27.056	168	50.83	120	29.273	129	18.17	49
20	31.661	122	47.69	126	53.12	28	74.85	267	26.888	130	49.63	132	29.144	102	17.68	45
30	31.539	76	46.43	129	52.84	22	72.18	301	26.758	84	48.31	137	29.042	65	17.23	36
Apr. 9	31.463	23	45.14	126	52.62	15	69.17	330	26.674	29	46.94	135	28.977	21	16.87	24
19	31.440	33	43.88	116	52.47	7	65.87	352	26.645	30	45.59	127	28.956	25	16.63	8
29	31.473	92	42.72	100	52.40	1	62.35	365	26.675	89	44.32	112	28.981	75	16.55	10
Mai 9	31.565	150	41.72	80	52.39	8	58.70	371	26.764	149	43.20	92	29.056	123	16.65	30
19	31.715	203	40.92	55	52.47	16	54.99	369	26.913	204	42.28	68	29.179	169	16.95	51
29	31.918	252	40.37	28	52.63	23	51.30	358	27.117	255	41.60	41	29.348	211	17.46	73
Juni 8	32.170	295	40.09	0	52.86	29	47.72	338	27.372	299	41.19	11	29.559	248	18.19	92
18	32.465	330	40.09	30	53.15	36	44.34	311	27.671	335	41.08	18	29.807	279	19.11	110
28	32.795	354	40.39	58	53.51	41	41.23	276	28.006	361	41.26	47	30.086	301	20.21	125
Juli 8	33.149	372	40.97	85	53.92	45	38.47	232	28.367	380	41.73	76	30.387	317	21.46	137
18	33.521	380	41.82	109	54.37	48	36.15	183	28.747	389	42.49	102	30.704	325	22.83	144
28	33.901	381	42.91	131	54.85	50	34.32	128	29.136	391	43.51	125	31.029	327	24.27	149
Aug. 7	34.282	374	44.22	149	55.35	49	33.04	70	29.527	385	44.76	145	31.356	321	25.76	149
17	34.656	361	45.71	163	55.84	49	32.34	8	29.912	370	46.21	162	31.677	310	27.25	145
27	35.017	341	47.34	175	56.33	46	32.26	52	30.282	352	47.83	175	31.987	295	28.70	137
Sept. 6	35.358	319	49.09	182	56.79	42	32.78	112	30.634	329	49.58	185	32.282	276	30.07	127
16	35.677	291	50.91	186	57.21	38	33.90	167	30.963	302	51.43	190	32.558	252	31.34	116
26	35.968	262	52.77	187	57.59	32	35.57	216	31.265	271	53.33	194	32.810	228	32.50	102
Okt. 6	36.230	229	54.64	186	57.91	26	37.73	257	31.536	239	55.27	194	33.038	202	33.52	87
16	36.459	195	56.50	181	58.17	18	40.30	288	31.775	203	57.21	191	33.240	173	34.39	73
26	36.654	159	58.31	174	58.35	11	43.18	308	31.978	166	59.12	185	33.413	144	35.12	60
Nov. 5	36.813	120	60.05	165	58.46	4	46.26	316	32.144	126	60.97	177	33.557	113	35.72	48
14	36.933	81	61.70	153	58.50	4	49.42	310	32.270	85	62.74	165	33.670	80	36.20	35
24	37.014	39	63.23	137	58.46	10	52.52	294	32.355	42	64.39	150	33.750	47	36.55	25
Dez. 4	37.053	4	64.60	120	58.36	17	55.46	266	32.397	3	65.89	132	33.797	12	36.80	14
14	37.049	46	65.80	98	58.19	25	58.12	228	32.394	47	67.21	110	33.809	23	36.94	5
24	37.003	87	66.78	74	57.94	29	60.40	182	32.347	90	68.31	84	33.786	57	36.99	4
34	36.916		67.52		57.65		62.22		32.257		69.15		33.729		36.95	
Mittl. Ort	33.316		44.95		54.76		59.94		28.579		46.14		30.463		19.86	
sec δ, tg δ	1.279		+0.797		2.001		−1.733		1.319		+0.859		1.061		+0.353	

Scheinbare Sternörter 1928

Tag	117) 12 Eridani AR.		117) 12 Eridani Dekl.		115) 48 H. Cephei AR.		115) 48 H. Cephei Dekl.		120) α Persei AR.		120) α Persei Dekl.		121) ο Tauri AR.		121) ο Tauri Dekl.	
1928	$3^h\ 8^m$		$-29°\ 15'$		$3^h\ 11^m$		$+77°\ 28'$		$3^h\ 19^m$		$+49°\ 36'$		$3^h\ 20^m$		$+8°\ 46'$	
Jan. 0	60.853	120	84.70	144	8.20	63	33.93	206	10.237	137	30.46	114	56.005	69	33.51	49
10	60.733	148	86.14	108	7.57	76	35.99	156	10.100	184	31.60	79	55.936	99	33.02	47
20	60.585	170	87.22	69	6.81	84	37.55	99	9.916	220	32.39	43	55.837	123	32.55	45
30	60.415	184	87.91	28	5.97	90	38.54	40	9.696	248	32.82	4	55.714	143	32.10	40
Feb. 9	60.231	192	88.19	14	5.07	92	38.94	19	9.448	261	32.86	34	55.571	154	31.70	35
19	60.039	190	88.05	54	4.15	90	38.75	77	9.187	261	32.52	71	55.417	156	31.35	28
29	59.849	180	87.51	94	3.25	84	37.98	130	8.926	247	31.81	103	55.261	149	31.07	20
März 10	59.669	159	86.57	133	2.41	74	36.68	179	8.679	219	30.78	130	55.112	133	30.87	10
20	59.510	132	85.24	168	1.67	61	34.89	217	8.460	176	29.48	152	54.979	107	30.77	3
30	59.378	96	83.56	201	1.06	44	32.72	246	8.284	123	27.96	165	54.872	74	30.80	18
Apr. 9	59.282	53	81.55	231	0.62	27	30.26	266	8.161	62	26.31	171	54.798	34	30.98	34
19	59.229	7	79.24	256	0.35	7	27.60	273	8.099	5	24.60	169	54.764	10	31.32	52
29	59.222	42	76.68	276	0.28	12	24.87	271	8.104	74	22.91	160	54.774	55	31.84	72
Mai 9	59.264	92	73.92	290	0.40	30	22.16	260	8.178	143	21.31	144	54.829	103	32.56	90
19	59.356	140	71.02	300	0.70	49	19.56	238	8.321	208	19.87	123	54.932	147	33.46	109
29	59.496	185	68.02	301	1.19	65	17.18	209	8.529	268	18.64	97	55.079	188	34.55	126
Juni 8	59.681	227	65.01	296	1.84	80	15.09	174	8.797	321	17.67	67	55.267	226	35.81	140
18	59.908	261	62.05	284	2.64	91	13.35	134	9.118	365	17.00	35	55.493	256	37.21	151
28	60.169	289	59.21	264	3.55	102	12.01	91	9.483	400	16.65	2	55.749	280	38.72	158
Juli 8	60.458	311	56.57	238	4.57	110	11.10	44	9.883	424	16.63	30	56.029	297	40.30	161
18	60.769	324	54.19	205	5.67	114	10.66	3	10.307	440	16.93	62	56.326	307	41.91	160
28	61.093	329	52.14	166	6.81	117	10.69	51	10.747	445	17.55	93	56.633	312	43.51	153
Aug. 7	61.422	327	50.48	122	7.98	116	11.20	96	11.192	442	18.48	121	56.945	308	45.04	143
17	61.749	318	49.26	75	9.14	114	12.16	141	11.634	432	19.69	145	57.253	300	46.47	129
27	62.067	302	48.51	26	10.28	110	13.57	182	12.066	414	21.14	167	57.553	287	47.76	111
Sept. 6	62.369	280	48.25	23	11.38	103	15.39	220	12.480	391	22.81	185	57.840	270	48.87	92
16	62.649	255	48.48	71	12.41	95	17.59	255	12.871	362	24.66	200	58.110	250	49.79	70
26	62.904	226	49.19	116	13.36	85	20.14	284	13.233	331	26.66	212	58.360	227	50.49	48
Okt. 6	63.130	193	50.35	154	14.21	74	22.98	308	13.564	294	28.78	220	58.587	202	50.97	27
16	63.323	157	51.89	186	14.95	60	26.06	326	13.858	254	30.98	224	58.789	176	51.24	9
26	63.480	121	53.75	210	15.55	46	29.32	338	14.112	210	33.22	224	58.965	149	51.33	9
Nov. 5	63.601	84	55.85	225	16.01	30	32.70	342	14.322	164	35.46	221	59.114	118	51.24	23
14	[8] 63.685	46	58.10	230	[8] 16.31	14	36.12	338	[10] 14.486	114	37.67	214	[11] 59.232	88	51.01	33
24	63.731	8	60.40	226	16.45	3	39.50	326	14.600	61	39.81	200	59.320	55	50.68	42
Dez. 4	63.739	30	62.66	213	16.42	21	42.76	304	14.661	7	41.81	183	59.375	22	50.26	46
14	63.709	65	64.79	191	16.21	38	45.80	274	14.668	49	43.64	161	59.397	13	49.80	49
24	63.644	99	66.70	164	15.83	53	48.54	235	14.619	101	45.25	133	59.384	46	49.31	49
34	63.545		68.34		15.30		50.89		14.518		46.58		59.338		48.82	
Mittl. Ort	60.663		72.45		6.99		22.06		10.323		22.69		56.155		35.49	
sec δ, tg δ	1.146		−0.560		4.610		+4.500		1.543		+1.175		1.012		+0.154	

Tag	122) 2 H. Camelop. AR.	Diff.	122) Dekl.	Diff.	125) *f* Tauri AR.	Diff.	125) Dekl.	Diff.	127) ε Eridani[1] AR.	Diff.	127) Dekl.	Diff.	131) δ Persei AR.	Diff.	131) Dekl.	Diff.
1928	3h 23m		+59° 41′		3h 26m		+12° 41′		3h 29m		−9° 41′		3h 37m		+47° 33′	
Jan. 0	13.481 s	197	37.48 ″	156	53.544 s	65	26.61 ″	34	32.245 s	79	70.71 ″	112	47.378 s	109	38.70 ″	117
10	13.284	256	39.04	116	53.479	97	26.27	35	32.166	107	71.83	92	47.269	157	39.87	88
20	13.028	304	40.20	72	53.382	123	25.92	36	32.059	133	72.75	70	47.112	198	40.75	54
30	12.724	337	40.92	25	53.259	144	25.56	36	31.926	151	73.45	46	46.914	229	41.29	19
Feb. 9	12.387	355	41.17	22	53.115	156	25.20	35	31.775	162	73.91	22	46.685	248	41.48	16
19	12.032	355	40.95	67	52.959	159	24.85	33	31.613	165	74.13	4	46.437	253	41.32	51
29	11.677	335	40.28	109	52.800	154	24.52	29	31.448	158	74.09	30	46.184	244	40.81	83
März 10	11.342	298	39.19	145	52.646	138	24.23	22	31.290	143	73.79	56	45.940	221	39.98	110
20	11.044	245	37.74	175	52.508	111	24.01	12	31.147	120	73.23	82	45.719	185	38.88	132
30	10.799	178	35.99	196	52.397	79	23.89	1	31.027	87	72.41	108	45.534	137	37.56	147
Apr. 9	10.621	101	34.03	208	52.318	39	23.88	13	30.940	49	71.33	132	45.397	80	36.09	155
19	10.520	17	31.95	213	52.279	5	24.01	29	30.891	7	70.01	154	45.317	17	34.54	157
29	10.503	70	29.82	207	52.284	53	24.30	48	30.884	39	68.47	176	45.300	49	32.97	150
Mai 9	10.573	157	27.75	194	52.337	99	24.78	66	30.923	84	66.71	194	45.349	116	31.47	138
19	10.730	239	25.81	174	52.436	145	25.44	85	31.007	129	64.77	209	45.465	179	30.09	119
29	10.969	316	24.07	147	52.581	187	26.29	102	31.136	171	62.68	219	45.644	239	28.90	97
Juni 8	11.285	382	22.60	117	52.768	225	27.31	118	31.307	208	60.49	224	45.883	292	27.93	71
18	11.667	440	21.43	82	52.993	256	28.49	131	31.515	241	58.25	225	46.175	338	27.22	42
28	12.107	484	20.61	45	53.249	282	29.80	141	31.756	266	56.00	218	46.513	374	26.80	12
Juli 8	12.591	518	20.16	7	53.531	299	31.21	148	32.022	285	53.82	207	46.887	402	26.68	17
18	13.109	539	20.09	31	53.830	310	32.69	149	32.307	297	51.75	190	47.289	420	26.85	47
28	13.648	550	20.40	68	54.140	315	34.18	147	32.604	303	49.85	167	47.709	429	27.32	74
Aug. 7	14.198	549	21.08	103	54.455	313	35.65	140	32.907	302	48.18	139	48.138	431	28.06	101
17	14.747	538	22.11	136	54.768	305	37.05	129	33.209	295	46.79	107	48.569	424	29.07	124
27	15.285	519	23.47	167	55.073	294	38.34	117	33.504	283	45.72	73	48.993	411	30.31	144
Sept. 6	15.804	491	25.14	193	55.367	276	39.51	100	33.787	266	44.99	36	49.404	392	31.75	162
16	16.295	457	27.07	217	55.643	257	40.51	82	34.053	246	44.63	1	49.796	368	33.37	176
26	16.752	416	29.24	237	55.900	236	41.33	64	34.299	224	44.64	35	50.164	340	35.13	187
Okt. 6	17.168	371	31.61	252	56.136	211	41.97	45	34.523	197	44.99	68	50.504	308	37.00	197
16	17.539	319	34.13	262	56.347	186	42.42	28	34.720	170	45.67	96	50.812	273	38.97	202
26	17.858	261	36.75	269	56.533	157	42.70	14	34.890	141	46.63	118	51.085	232	40.99	204
Nov. 5	18.119	200	39.44	270	56.690	128	42.84	0	35.031	111	47.81	135	51.317	188	43.03	204
14*)	[11] 18.319	133	42.14	264	[12] 56.818	96	42.84	11	[13] 35.142	78	49.16	145	[15] 51.505	141	45.07	198
24	18.452	64	44.78	253	56.914	63	42.73	18	35.220	45	50.61	147	51.646	90	47.05	189
Dez. 4	18.516	8	47.31	235	56.977	29	42.55	25	35.265	11	52.08	145	51.736	37	48.94	176
14	18.508	81	49.66	210	57.006	6	42.30	30	35.276	23	53.53	136	51.773	18	50.70	157
24	18.427	151	51.76	179	57.000	42	42.00	32	35.253	56	54.89	122	51.755	73	52.27	135
34	18.276		53.55		56.958		41.68		35.197		56.11		51.682		53.62	
Mittl. Ort	13.357		28.07		53.685		27.48		32.237		63.99		47.385		31.67	
sec δ, tg δ	1.982		+1.711		1.025		+0.225		1.014		−0.171		1.482		+1.094	

[1]) Die jährliche Parallaxe (0″.32) ist bereits berücksichtigt

*) Bei Stern 131) lies Nov. 15

Scheinbare Sternörter 1928

Tag	134) ν Persei				138) 5 H. Camelop.				139) η Tauri				141) β Reticuli			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1928	3h 40m		+42° 21′		3h 42m		+71° 6′		3h 43m		+23° 52′		3h 43m		−65° 1′	
Jan. 0	17.675	91	14.98	97	44.46	32	55.80	214	11.941	59	63.40	15	19.69	36	75.82	199
10	17.584	135	15.95	71	44.14	41	57.94	172	11.882	96	63.55	5	19.33	42	77.81	148
20	17.449	173	16.66	42	43.73	50	59.66	123	11.786	128	63.60	6	18.91	47	79.29	93
30	17.276	202	17.08	12	43.23	55	60.89	71	11.658	152	63.54	18	18.44	50	80.22	35
Feb. 9	17.074	221	17.20	18	42.68	59	61.60	15	11.506	168	63.36	28	17.94	51	80.57	24
19	16.853	227	17.02	48	42.09	60	61.75	39	11.338	175	63.08	38	17.43	51	80.33	80
29	16.626	220	16.54	75	41.49	57	61.36	90	11.163	171	62.70	45	16.92	49	79.53	134
März 10	16.406	200	15.79	97	40.92	52	60.46	138	10.992	157	62.25	50	16.43	46	78.19	184
20	16.206	167	14.82	115	40.40	45	59.08	178	10.835	131	61.75	52	15.97	42	76.35	230
30	16.039	124	13.67	126	39.95	35	57.30	211	10.704	97	61.23	50	15.55	36	74.05	271
Apr. 9	15.915	72	12.41	132	39.60	24	55.19	233	10.607	55	60.73	44	15.19	28	71.34	305
19	15.843	15	11.09	131	39.36	11	52.86	247	10.552	9	60.29	34	14.91	21	68.29	333
29	15.828	46	9.78	123	39.25	2	50.39	250	10.543	40	59.95	20	14.70	12	64.96	354
Mai 9	15.874	107	8.55	110	39.27	15	47.89	244	10.583	91	59.75	5	14.58	2	61.42	367
19	15.981	167	7.45	93	39.42	28	45.45	231	10.674	140	59.70	14	14.56	6	57.75	371
29	16.148	221	6.52	70	39.70	39	43.14	208	10.814	186	59.84	32	14.62	15	54.04	368
Juni 8	16.369	271	5.82	46	40.09	50	41.06	180	11.000	226	60.16	52	14.77	25	50.36	355
18	16.640	313	5.36	19	40.59	60	39.26	146	11.226	261	60.68	69	15.02	32	46.81	334
28	16.953	346	5.17	7	41.19	68	37.80	108	11.487	290	61.37	86	15.34	39	43.47	304
Juli 8	17.299	372	5.24	34	41.87	73	36.72	68	11.777	311	62.23	100	15.73	46	40.43	266
18	17.671	389	5.58	59	42.60	78	36.04	27	12.088	324	63.23	111	16.19	50	37.77	220
28	18.060	398	6.17	84	43.38	81	35.77	17	12.412	332	64.34	118	16.69	54	35.57	168
Aug. 7	18.458	398	7.01	104	44.19	82	35.94	59	12.744	332	65.52	123	17.23	56	33.89	111
17	18.856	393	8.05	123	45.01	82	36.53	99	13.076	328	66.75	125	17.79	57	32.78	50
27	19.249	381	9.28	139	45.83	80	37.52	139	13.404	317	68.00	121	18.36	56	32.28	14
Sept. 6	19.630	364	10.67	151	46.63	77	38.91	175	13.721	302	69.21	117	18.92	53	32.42	76
16	19.994	342	12.18	162	47.40	72	40.66	208	14.023	285	70.38	110	19.45	48	33.18	136
26	20.336	317	13.80	170	48.12	67	42.74	238	14.308	264	71.48	101	19.93	43	34.54	192
Okt. 6	20.653	287	15.50	174	48.79	60	45.12	263	14.572	241	72.49	92	20.36	37	36.46	240
16	20.940	256	17.24	177	49.39	52	47.75	283	14.813	215	73.41	82	20.73	29	38.86	279
26	21.196	219	19.01	176	49.91	43	50.58	299	15.028	186	74.23	73	21.02	20	41.65	308
Nov. 5	21.415	180	20.77	174	50.34	33	53.57	309	15.214	156	74.96	64	21.22	12	44.73	325
15	[16] 21.595	138	22.51	168	50.67	23	56.66	309	15.370	122	75.60	55	21.34	2	47.98	329
24	21.733	92	24.19	160	[16] 50.90	11	59.75	304	[17] 15.492	86	76.15	47	[17] 21.36	7	51.27	321
Dez. 4	21.825	43	25.79	147	51.01	1	62.79	290	15.578	48	76.62	39	21.29	16	54.48	300
14	21.868	7	27.26	131	51.00	13	65.69	269	15.626	8	77.01	31	21.13	24	57.48	269
24	21.861	57	28.57	111	50.87	24	68.38	237	15.634	32	77.32	21	20.89	32	60.17	229
34	21.804		29.68		50.63		70.75		15.602		77.53		20.57		62.46	
Mittl. Ort	17.720		9.00		43.60		45.53		12.036		61.41		17.43		60.30	
sec δ, tg δ	1.353		+0.912		3.089		+2.923		1.094		+0.443		2.369		−2.148	

Tag	140) τ^6 Eridani AR.		Dekl.		143) *g* Eridani AR.		Dekl.	
1928	$3^h\ 43^m$		$-23°\ 27'$		$3^h\ 46^m$		$-36°\ 24'$	
Jan. 0	45.211 s	88	50.15 "	160	46.132 s	122	74.55 "	188
10	45.123	121	51.75	130	46.010	158	76.43	150
20	45.002	149	53.05	97	45.852	188	77.93	107
30	44.853	170	54.02	61	45.664	211	79.00	61
Feb. 9	44.683	184	54.63	24	45.453	226	79.61	15
19	44.499	190	54.87	14	45.227	230	79.76	32
29	44.309	185	54.73	52	44.997	225	79.44	78
März 10	44.124	172	54.21	88	44.772	211	78.66	122
20	43.952	148	53.33	122	44.561	185	77.44	163
30	43.804	118	52.11	155	44.376	151	75.81	200
Apr. 9	43.686	80	50.56	186	44.225	111	73.81	235
19	43.606	37	48.70	213	44.114	63	71.46	264
29	43.569	9	46.57	236	44.051	13	68.82	288
Mai 9	43.578	58	44.21	254	44.038	39	65.94	306
19	43.636	104	41.67	268	44.077	92	62.88	317
29	43.740	150	38.99	276	44.169	143	59.71	321
Juni 8	43.890	191	36.23	277	44.312	190	56.50	319
18	44.081	228	33.46	271	44.502	233	53.31	307
28	44.309	258	30.75	258	44.735	268	50.24	288
Juli 8	44.567	283	28.17	239	45.003	298	47.36	261
18	44.850	300	25.78	212	45.301	320	44.75	227
28	45.150	310	23.66	179	45.621	334	42.48	186
Aug. 7	45.460	313	21.87	141	45.955	340	40.62	139
17	45.773	310	20.46	99	46.295	338	39.23	88
27	46.083	301	19.47	53	46.633	331	38.35	35
Sept. 6	46.384	286	18.94	6	46.964	315	38.00	20
16	46.670	268	18.88	41	47.279	293	38.20	75
26	46.938	244	19.29	85	47.572	267	38.95	125
Okt. 6	47.182	218	20.14	125	47.839	236	40.20	171
16	47.400	189	21.39	161	48.075	201	41.91	209
26	47.589	157	23.00	188	48.276	163	44.00	240
Nov. 5	47.746	122	24.88	208	48.439	121	46.40	261
15	47.868	87	26.96	218	48.560	79	49.01	270
24	[17] 47.955	50	29.14	220	[17] 48.639	35	51.71	270
Dez. 4	48.005	11	31.34	213	48.674	10	54.41	259
14	48.016	26	33.47	199	48.664	54	57.00	238
24	47.990	64	35.46	176	48.610	95	59.38	210
34	47.926		37.22		48.515		61.48	
Mittl. Ort	44.941		41.04		45.566		63.09	
sec δ, tg δ	1.090		−0.434		1.243		−0.738	

Tag	146) γ Hydri AR.		Dekl.		144) ζ Persei AR.		Dekl.	
1928	$3^h\ 48^m$		$-74°\ 27'$		$3^h\ 49^m$		$+31°\ 40'$	
Jan. 0	24.42 s	64	52.07 "	196	36.024 s	62	19.86 "	53
10	23.78	72	54.03	144	35.962	102	20.39	36
20	23.06	80	55.47	88	35.860	137	20.75	19
30	22.26	84	56.35	30	35.723	166	20.94	1
Feb. 9	21.42	86	56.65	29	35.557	183	20.93	19
19	20.56	86	56.36	85	35.374	192	20.74	38
29	19.70	83	55.51	139	35.182	189	20.36	53
März 10	18.87	78	54.12	189	34.993	173	19.83	67
20	18.09	71	52.23	235	34.820	147	19.16	76
30	17.38	62	49.88	274	34.673	111	18.40	80
Apr. 9	16.76	51	47.14	308	34.562	67	17.60	80
19	16.25	39	44.06	335	34.495	18	16.80	75
29	15.86	26	40.71	355	34.477	36	16.05	65
Mai 9	15.60	13	37.16	366	34.513	89	15.40	52
19	15.47	1	33.50	370	34.602	142	14.88	34
29	15.48	16	29.80	366	34.744	190	14.54	15
Juni 8	15.64	29	26.14	352	34.934	235	14.39	6
18	15.93	42	22.62	330	35.169	272	14.45	26
28	16.35	53	19.32	300	35.441	304	14.71	47
Juli 8	16.88	64	16.32	261	35.745	327	15.18	66
18	17.52	72	13.71	214	36.072	343	15.84	83
28	18.24	78	11.57	162	36.415	352	16.67	98
Aug. 7	19.02	83	9.95	105	36.767	354	17.65	109
17	19.85	84	8.90	44	37.121	350	18.74	117
27	20.69	83	8.46	20	37.471	340	19.91	123
Sept. 6	21.52	80	8.66	81	37.811	326	21.14	126
16	22.32	73	9.47	142	38.137	308	22.40	127
26	23.05	65	10.89	197	38.445	287	23.67	126
Okt. 6	23.70	55	12.86	245	38.732	263	24.93	122
16	24.25	42	15.31	284	38.995	236	26.15	119
26	24.67	28	18.15	311	39.231	207	27.34	114
Nov. 5	24.95	13	21.26	328	39.438	173	28.48	108
15	25.08	2	24.54	330	39.611	137	29.56	102
24	[18] 25.06	16	27.84	322	[18] 39.748	98	30.58	94
Dez. 4	24.90	31	31.06	300	39.846	56	31.52	85
14	24.59	45	34.06	268	39.902	12	32.37	75
24	24.14	57	36.74	225	39.914	31	33.12	61
34	23.57		38.99		39.883		33.73	
Mittl. Ort	20.09		36.42		36.083		16.18	
sec δ, tg δ	3.733		−3.596		1.175		+0.617	

Scheinbare Sternörter 1928

Tag	145) 9 H. Camelop. AR.		Dekl.		147) ε Persei AR.		Dekl.		148) ξ Persei AR.		Dekl.		149) γ Eridani AR.		Dekl.	
1928	3h 50m		+60° 53′		3h 52m		+39° 48′		3h 54m		+35° 35′		3h 54m		−13° 42′	
Jan. 0	59.33	16	67.80	183	60.959	72	17.29	92	17.266	63	11.63	72	40.316	64	51.05	137
10	59.17	24	69.63	146	60.887	117	18.21	69	17.203	106	12.35	54	40.252	97	52.42	115
20	58.93	29	71.09	104	60.770	156	18.90	44	17.097	144	12.89	33	40.155	127	53.57	90
30	58.64	34	72.13	60	60.614	188	19.34	18	16.953	174	13.22	10	40.028	150	54.47	62
Feb. 9	58.30	37	72.73	13	60.426	209	19.52	10	16.779	194	13.32	13	39.878	167	55.09	33
19	57.93	37	72.86	34	60.217	218	19.42	36	16.585	203	13.19	35	39.711	174	55.42	4
29	57.56	37	72.52	78	59.999	214	19.06	61	16.382	201	12.84	55	39.537	172	55.46	26
März 10	57.19	34	71.74	118	59.785	198	18.45	82	16.181	185	12.29	72	39.365	161	55.20	56
20	56.85	29	70.56	153	59.587	169	17.63	99	15.996	158	11.57	85	39.204	140	54.64	84
30	56.56	22	69.03	179	59.418	129	16.64	110	15.838	122	10.72	95	39.064	112	53.80	112
Apr. 9	56.34	15	67.24	199	59.289	81	15.54	116	15.716	76	9.77	97	38.952	76	52.68	140
19	56.19	7	65.25	209	59.208	27	14.38	116	15.640	24	8.80	94	38.876	35	51.28	165
29	56.12	2	63.16	211	59.181	32	13.22	110	15.616	30	7.86	87	38.841	9	49.63	187
Mai 9	56.14	11	61.05	204	59.213	90	12.12	98	15.646	86	6.99	74	38.850	55	47.76	206
19	56.25	20	59.01	190	59.303	148	11.14	82	15.732	142	6.25	59	38.905	101	45.70	222
29	56.45	28	57.11	170	59.451	202	10.32	62	15.874	192	5.66	39	39.006	144	43.48	233
Juni 8	56.73	35	55.41	144	59.653	251	9.70	41	16.066	239	5.27	18	39.150	184	41.15	238
18	57.08	42	53.97	113	59.904	293	9.29	17	16.305	279	5.09	3	39.334	219	38.77	238
28	57.50	47	52.84	80	60.197	327	9.12	8	16.584	312	5.12	26	39.553	249	36.39	232
Juli 8	57.97	51	52.04	45	60.524	353	9.20	32	16.896	337	5.38	47	39.802	272	34.07	219
18	58.48	55	51.59	8	60.877	372	9.52	54	17.233	354	5.85	67	40.074	288	31.88	200
28	59.03	57	51.51	28	61.249	383	10.06	75	17.587	364	6.52	84	40.362	299	29.88	175
Aug. 7	59.60	57	51.79	63	61.632	386	10.81	95	17.951	368	7.36	99	40.661	303	28.13	146
17	60.17	57	52.42	97	62.018	383	11.76	110	18.319	365	8.35	112	40.964	301	26.67	110
27	60.74	56	53.39	129	62.401	373	12.86	124	18.684	355	9.47	121	41.265	293	25.57	73
Sept. 6	61.30	53	54.68	159	62.774	360	14.10	135	19.039	342	10.68	128	41.558	281	24.84	33
16	61.83	51	56.27	185	63.134	340	15.45	143	19.381	325	11.96	132	41.839	265	24.51	7
26	62.34	47	58.12	209	63.474	318	16.88	150	19.706	303	13.28	135	42.104	246	24.58	47
Okt. 6	62.81	44	60.21	228	63.792	292	18.38	154	20.009	279	14.63	135	42.350	223	25.05	83
16	63.25	38	62.49	244	64.084	262	19.92	156	20.288	251	15.98	135	42.573	197	25.88	114
26	63.63	32	64.93	255	64.346	229	21.48	155	20.539	220	17.33	133	42.770	169	27.02	141
Nov. 5	63.95	27	67.48	263	64.575	192	23.03	153	20.759	185	18.66	129	42.939	138	28.43	160
15	64.22	19	70.11	263	64.767	152	24.56	150	20.944	147	19.95	124	43.077	106	30.03	172
24	[18] 64.41	12	72.74	258	[10] 64.919	107	26.06	143	[19] 21.091	106	21.19	118	[19] 43.183	71	31.75	177
Dez. 4	64.53	5	75.32	246	65.026	61	27.49	133	21.197	62	22.37	108	43.254	34	33.52	174
14	64.58	3	77.78	228	65.087	11	28.82	120	21.259	16	23.45	97	43.288	2	35.26	164
24	64.55	12	80.06	202	65.098	38	30.02	104	21.275	31	24.42	83	43.286	40	36.90	149
34	64.43		82.08		65.060		31.06		21.244		25.25		43.246		38.39	
Mittl. Ort	58.97		59.00		60.965		12.00		17.291		7.18		40.142		44.57	
sec δ, tg δ	2.056		+1.797		1.302		+0.833		1.230		+0.716		1.029		−0.244	

Tag	150) λ Tauri AR.	Δ	Dekl.	Δ	151) ν Tauri AR.	Δ	Dekl.	Δ
1928	$3^h\ 56^m$		+12° 17′		$3^h\ 59^m$		+5° 47′	
Jan. 0	41.282	45	16.54	35	19.468	45	24.23	63
10	41.237	81	16.19	34	19.423	80	23.60	57
20	41.156	113	15.85	33	19.343	110	23.03	50
30	41.043	138	15.52	31	19.233	136	22.53	41
Feb. 9	40.905	155	15.21	29	19.097	154	22.12	32
19	40.750	165	14.92	26	18.943	163	21.80	22
29	40.585	164	14.66	21	18.780	162	21.58	10
März 10	40.421	152	14.45	16	18.618	152	21.48	2
20	40.269	131	14.29	7	18.466	131	21.50	15
30	40.138	101	14.22	3	18.335	103	21.65	31
Apr. 9	40.037	64	14.25	15	18.232	67	21.96	47
19	39.973	22	14.40	30	18.165	26	22.43	64
29	39.951	24	14.70	45	18.139	19	23.07	81
Mai 9	39.975	71	15.15	62	18.158	65	23.88	100
19	40.046	118	15.77	78	18.223	110	24.88	116
29	40.164	160	16.55	95	18.333	153	26.04	131
Juni 8	40.324	200	17.50	109	18.486	192	27.35	142
18	40.524	235	18.59	121	18.678	226	28.77	152
28	40.759	263	19.80	130	18.904	254	30.29	157
Juli 8	41.022	284	21.10	135	19.158	276	31.86	158
18	41.306	300	22.45	137	19.434	292	33.44	154
28	41.606	309	23.82	134	19.726	302	34.98	145
Aug. 7	41.915	311	25.16	127	20.028	304	36.43	133
17	42.226	309	26.43	116	20.332	302	37.76	117
27	42.535	301	27.59	103	20.634	295	38.93	95
Sept. 6	42.836	289	28.62	87	20.929	285	39.88	73
16	43.125	274	29.49	69	21.214	269	40.61	50
26	43.399	256	30.18	51	21.483	252	41.11	25
Okt. 6	43.655	235	30.69	32	21.735	231	41.36	3
16	43.890	212	31.01	16	21.966	208	41.39	19
26	44.102	186	31.17	1	22.174	183	41.20	36
Nov. 5	44.288	158	31.18	12	22.357	155	40.84	52
15	[20] 44.446	127	31.06	21	[21] 22.512	124	40.32	62
24	44.573	92	30.85	28	22.636	91	39.70	68
Dez. 4	44.665	57	30.57	32	22.727	55	39.02	71
14	44.722	19	30.25	34	22.782	18	38.31	70
24	44.741	19	29.91	35	22.800	19	37.61	67
34	44.722		29.56		22.781		36.94	
Mittl. Ort	41.303		17.11		19.448		26.22	
sec δ, tg δ	1.023		+0.218		1.005		+0.101	

Tag	152) c Persei AR.	Δ	Dekl.	Δ	154) o¹ Eridani AR.	Δ	Dekl.	Δ
1928	$4^h\ 3^m$		+47° 31′		$4^h\ 8^m$		−7° 1′	
Jan. 0	25.757	79	25.11	132	21.135	47	31.83	118
10	25.678	134	26.43	107	21.088	83	33.01	102
20	25.544	180	27.50	76	21.005	113	34.03	82
30	25.364	217	28.26	43	20.892	140	34.85	60
Feb. 9	25.147	243	28.69	9	20.752	159	35.45	38
19	24.904	256	28.78	25	20.593	168	35.83	14
29	24.648	253	28.53	58	20.425	170	35.97	9
März 10	24.395	236	27.95	87	20.255	160	35.88	33
20	24.159	206	27.08	112	20.095	142	35.55	58
30	23.953	162	25.96	131	19.953	115	34.97	82
Apr. 9	23.791	110	24.65	144	19.838	81	34.15	105
19	23.681	49	23.21	149	19.757	41	33.10	128
29	23.632	16	21.72	148	19.716	3	31.82	149
Mai 9	23.648	82	20.24	141	19.719	47	30.33	169
19	23.730	146	18.83	128	19.766	93	28.64	184
29	23.876	209	17.55	109	19.859	135	26.80	197
Juni 8	24.085	264	16.46	88	19.994	175	24.83	206
18	24.349	312	15.58	63	20.169	210	22.77	210
28	24.661	354	14.95	36	20.379	241	20.67	207
Juli 8	25.015	386	14.59	8	20.620	264	18.60	200
18	25.401	409	14.51	18	20.884	281	16.60	186
28	25.810	424	14.69	45	21.165	293	14.74	167
Aug. 7	26.234	430	15.14	70	21.458	299	13.07	144
17	26.664	430	15.84	93	21.757	298	11.63	115
27	27.094	422	16.77	114	22.055	293	10.48	83
Sept. 6	27.516	409	17.91	132	22.348	283	9.65	48
16	27.925	390	19.23	148	22.631	269	9.17	13
26	28.315	366	20.71	162	22.900	252	9.04	21
Okt. 6	28.681	339	22.33	173	23.152	232	9.25	54
16	29.020	306	24.06	181	23.384	210	9.79	84
26	29.326	269	25.87	187	23.594	183	10.63	108
Nov. 5	29.595	227	27.74	191	23.777	155	11.71	126
15	[22] 29.822	180	29.65	190	[23] 23.932	124	12.97	139
24	30.002	129	31.55	186	24.056	89	14.36	144
Dez. 4	30.131	75	33.41	177	24.145	54	15.80	145
14	30.206	17	35.18	164	24.199	17	17.25	138
24	30.223	40	36.82	146	24.216	22	18.63	128
34	30.183		38.28		24.194		19.91	
Mittl. Ort	25.636		18.66		20.983		27.33	
sec δ, tg δ	1.481		+1.092		1.008		−0.123	

Scheinbare Sternörter 1928

Tag	155) α Horologii AR.		155) α Horologii Dekl.		156) κ Reticuli AR.		156) κ Reticuli Dekl.		160) υ¹ Eridani AR.		160) υ¹ Eridani Dekl.		162) δ Tauri AR.		162) δ Tauri Dekl.	
1928	4h 11m		−42° 27′		4h 13m		−62° 38′		4h 15m		−33° 57′		4h 18m		+17° 22′	
Jan. 0	37.700 s	127	87.27″	221	31.79 s	29	86.04″	236	10.707 s	93	93.20″	206	46.837 s	29	30.49″	11
10	37.573	171	89.48	181	31.50	35	88.40	189	10.614	133	95.26	172	46.808	68	30.38	12
20	37.402	208	91.29	136	31.15	40	90.29	137	10.481	168	96.98	133	46.740	104	30.26	15
30	37.194	236	92.65	88	30.75	44	91.66	81	10.313	196	98.31	90	46.636	134	30.11	16
Feb. 9	36.958	257	93.53	38	30.31	47	92.47	25	10.117	216	99.21	44	46.502	157	29.95	19
19	36.701	267	93.91	12	29.84	48	92.72	32	9.901	228	99.65	1	46.345	169	29.76	22
29	36.434	265	93.79	62	29.36	48	92.40	87	9.673	227	99.64	46	46.176	172	29.54	22
März 10	36.169	254	93.17	109	28.88	46	91.53	140	9.446	217	99.18	90	46.004	165	29.32	22
20	35.915	230	92.08	155	28.42	42	90.13	189	9.229	198	98.28	131	45.839	145	29.10	20
30	35.685	198	90.53	196	28.00	37	88.24	233	9.031	169	96.97	171	45.694	118	28.90	14
Apr. 9	35.487	158	88.57	234	27.63	31	85.91	272	8.862	132	95.26	207	45.576	82	28.76	8
19	35.329	110	86.23	266	27.32	24	83.19	305	8.730	88	93.19	238	45.494	40	28.68	2
29	35.219	58	83.57	294	27.08	17	80.14	333	8.642	41	90.81	265	45.454	5	28.70	14
Mai 9	35.161	2	80.63	314	26.91	8	76.81	352	8.601	10	88.16	287	45.459	53	28.84	28
19	35.159	54	77.49	329	26.83	0	73.29	363	8.611	61	85.29	302	45.512	101	29.12	43
29	35.213	110	74.20	335	26.83	9	69.66	366	8.672	111	82.27	310	45.613	146	29.55	57
Juni 8	35.323	162	70.85	334	26.92	17	66.00	360	8.783	159	79.17	312	45.759	187	30.12	72
18	35.485	210	67.51	324	27.09	25	62.40	346	8.942	201	76.05	306	45.946	223	30.84	85
28	35.695	254	64.27	306	27.34	32	58.94	323	9.143	240	72.99	291	46.169	255	31.69	96
Juli 8	35.949	290	61.21	280	27.66	38	55.71	290	9.383	272	70.08	269	46.424	280	32.65	105
18	36.239	319	58.41	245	28.04	43	52.81	249	9.655	297	67.39	240	46.704	298	33.70	109
28	36.558	340	55.96	203	28.47	48	50.32	201	9.952	315	64.99	202	47.002	310	34.79	110
Aug. 7	36.898	354	53.93	156	28.95	51	48.31	148	10.267	326	62.97	159	47.312	316	35.89	109
17	37.252	358	52.37	102	29.46	52	46.83	87	10.593	330	61.38	110	47.628	317	36.98	103
27	37.610	356	51.35	46	29.98	52	45.96	26	10.923	327	60.28	58	47.945	312	38.01	95
Sept. 6	37.966	345	50.89	13	30.50	50	45.70	38	11.250	317	59.70	4	48.257	304	38.96	84
16	38.311	327	51.02	71	31.00	48	46.08	101	11.567	303	59.66	50	48.561	292	39.80	71
26	38.638	302	51.73	126	31.48	44	47.09	161	11.870	282	60.16	103	48.853	277	40.51	58
Okt. 6	38.940	273	52.99	177	31.92	39	48.70	214	12.152	256	61.19	151	49.130	258	41.09	45
16	39.213	236	54.76	221	32.31	32	50.84	259	12.408	226	62.70	192	49.388	238	41.54	31
26	39.449	196	56.97	256	32.63	25	53.43	296	12.634	192	64.62	227	49.626	213	41.85	20
Nov. 5	39.645	152	59.53	281	32.88	18	56.39	320	12.826	154	66.89	252	49.839	185	42.05	10
15	39.797	103	62.34	295	33.06	9	59.59	333	12.980	113	69.41	268	50.024	154	42.15	4
24*)	[24] 39.900	54	65.29	298	[24] 33.15	0	62.92	332	13.093	71	72.09	271	50.178	119	42.19	2
Dez. 4	39.954	3	68.27	290	33.15	8	66.24	320	[25] 13.164	26	74.80	266	[26] 50.297	82	42.17	6
14	39.957	48	71.17	271	33.07	17	69.44	296	13.190	20	77.46	251	50.379	42	42.11	8
24	39.909	97	73.88	242	32.90	24	72.40	261	13.170	65	79.97	226	50.421	1	42.03	10
34	39.812		76.30		32.66		75.01		13.105		82.23		50.422		41.93	
Mittl. Ort	36.806		76.65		29.53		73.42		10.069		84.08		46.793		29.77	
sec δ, tg δ	1.356		−0.915		2.177		−1.934		1.206		−0.674		1.048		+0.313	

*) Bei Stern 160) und 162) lies Nov. 25

Tag	164) ε Tauri				168) α Tauri				171) α Doradus				169) ν Eridani			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1928	$4^h\ 24^m$		+19° 1'		$4^h\ 31^m$		+16° 21'		$4^h\ 32^m$		−55° 11'		$4^h\ 32^m$		−3° 29'	
Jan. 0	24.652	24	20.65	2	47.297	18	57.80	16	28.113	185	45.60	254	43.411	26	57.65	112
10	24.628	65	20.63	5	47.279	59	57.64	16	27.928	241	48.14	212	43.385	65	58.77	97
20	24.563	102	20.58	8	47.220	96	57.48	16	27.687	291	50.26	164	43.320	100	59.74	81
30	24.461	133	20.50	11	47.124	129	57.32	17	27.396	331	51.90	113	43.220	130	60.55	62
Feb. 9	24.328	157	20.39	15	46.995	153	57.15	17	27.065	359	53.03	58	43.090	152	61.17	43
19	24.171	171	20.24	19	46.842	169	56.98	18	26.706	374	53.61	3	42.938	167	61.60	22
29	24.000	175	20.05	22	46.673	173	56.80	18	26.332	376	53.64	52	42.771	172	61.82	2
März 10	23.825	168	19.83	24	46.500	167	56.62	17	25.956	366	53.12	104	42.599	167	61.84	19
20	23.657	149	19.59	22	46.333	152	56.45	14	25.590	341	52.08	154	42.432	151	61.65	41
30	23.508	123	19.37	20	46.181	126	56.31	9	25.249	305	50.54	200	42.281	128	61.24	61
Apr. 9	23.385	87	19.17	15	46.055	91	56.22	2	24.944	259	48.54	242	42.153	96	60.63	83
19	23.298	45	19.02	6	45.964	51	56.20	7	24.685	204	46.12	278	42.057	59	59.80	104
29	23.253	1	18.96	5	45.913	6	56.27	18	24.481	142	43.34	308	41.998	16	58.76	124
Mai 9	23.254	48	19.01	17	45.907	40	56.45	32	24.339	75	40.26	332	41.982	28	57.52	143
19	23.302	97	19.18	32	45.947	87	56.77	45	24.264	6	36.94	348	42.010	72	56.09	158
29	23.399	142	19.50	46	46.034	133	57.22	59	24.258	64	33.46	356	42.082	115	54.51	172
Juni 8	23.541	184	19.96	60	46.167	175	57.81	72	24.322	132	29.90	356	42.197	156	52.79	182
18	23.725	221	20.56	74	46.342	211	58.53	85	24.454	197	26.34	347	42.353	193	50.97	188
28	23.946	253	21.30	85	46.553	244	59.38	94	24.651	256	22.87	328	42.546	223	49.09	188
Juli 8	24.199	279	22.15	94	46.797	270	60.32	101	24.907	308	19.59	301	42.769	250	47.21	183
18	24.478	298	23.09	100	47.067	290	61.33	105	25.215	353	16.58	265	43.019	270	45.38	174
28	24.776	311	24.09	103	47.357	303	62.38	106	25.568	388	13.93	222	43.289	285	43.64	158
Aug. 7	25.087	318	25.12	102	47.660	312	63.44	103	25.956	414	11.71	171	43.574	293	42.06	138
17	25.405	320	26.14	99	47.972	314	64.47	96	26.370	430	10.00	114	43.867	296	40.68	113
27	25.725	316	27.13	92	48.286	312	65.43	86	26.800	434	8.86	54	44.163	295	39.55	85
Sept. 6	26.041	308	28.05	82	48.598	306	66.29	75	27.234	428	8.32	9	44.458	289	38.70	53
16	26.349	298	28.87	71	48.904	296	67.04	62	27.662	411	8.41	72	44.747	279	38.17	21
26	26.647	283	29.58	60	49.200	282	67.66	47	28.073	384	9.13	132	45.026	265	37.96	11
Okt. 6	26.930	265	30.18	48	49.482	266	68.13	33	28.457	348	10.45	188	45.291	249	38.07	43
16	27.195	244	30.66	37	49.748	246	68.46	19	28.805	304	12.33	237	45.540	230	38.50	70
26	27.439	220	31.03	26	49.994	223	68.65	9	29.109	251	14.70	278	45.770	206	39.20	94
Nov. 5	27.659	193	31.29	18	50.217	197	68.74	1	29.360	191	17.48	307	45.976	179	40.14	113
15	27.852	162	31.47	11	50.414	166	68.73	8	29.551	127	20.55	325	46.155	150	41.27	126
25	28.014	126	31.58	7	50.580	132	68.65	13	29.678	60	23.80	330	46.305	116	42.53	132
Dez. 4	27 28.140	89	31.65	3	29 50.712	94	68.52	15	29 29.738	9	27.10	324	29 46.421	80	43.85	133
14	28.229	48	31.68	1	50.806	54	68.37	17	29.729	78	30.34	305	46.501	41	45.18	130
24	28.277	6	31.69	1	50.860	12	68.20	16	29.651	144	33.39	277	46.542	2	46.48	119
34	28.283		31.68		50.872		68.04		29.507		36.16		46.544		47.67	
Mittl. Ort	24.593		19.58		47.210		57.18		26.424		35.33		43.212		54.68	
sec δ, tg δ	1.058		+0.345		1.042		+0.294		1.752		−1.439		1.002		−0.061	

Tag	172) 53 Eridani AR.		172) Dekl.		174) τ Tauri AR.		174) Dekl.		173) Grb 848 AR.		173) Dekl.		175) 4 Camelop. AR.		175) Dekl.	
1928	4h 34m		−14° 26′		4h 37m		+22° 49′		4h 39m		+75° 48′		4h 41m		+56° 37′	
Jan. 0	53.231 s	37	42.38″	160	55.375 s	12	14.45″	18	8.84 s	25	56.30″	271	60.358 s	57	59.13″	193
10	53.194	76	43.98	138	55.363	57	14.63	14	8.59	41	59.01	238	60.301	130	61.06	168
20	53.118	111	45.36	112	55.306	97	14.77	9	8.18	55	61.39	197	60.171	196	62.74	138
30	53.007	141	46.48	84	55.209	132	14.86	3	7.63	67	63.36	149	59.975	252	64.12	103
Feb. 9	52.866	164	47.32	54	55.077	158	14.89	4	6.96	75	64.85	96	59.723	294	65.15	64
19	52.702	179	47.86	24	54.919	175	14.85	12	6.21	79	65.81	40	59.429	321	65.79	23
29	52.523	184	48.10	7	54.744	182	14.73	18	5.42	81	66.21	16	59.108	330	66.02	19
März 10	52.339	179	48.03	37	54.562	176	14.55	25	4.61	78	66.05	71	58.778	320	65.83	59
20	52.160	164	47.66	68	54.386	160	14.30	29	3.83	72	65.34	122	58.458	293	65.24	96
30	51.996	140	46.98	97	54.226	134	14.01	29	3.11	62	64.12	165	58.165	250	64.28	126
Apr. 9	51.856	109	46.01	125	54.092	100	13.72	28	2.49	50	62.47	203	57.915	194	63.02	152
19	51.747	71	44.76	152	53.992	58	13.44	24	1.99	35	60.44	232	57.721	127	61.50	170
29	51.676	29	43.24	176	53.934	11	13.20	16	1.64	19	58.12	250	57.594	53	59.80	182
Mai 9	51.647	16	41.48	196	53.923	37	13.04	6	1.45	3	55.62	260	57.541	25	57.98	184
19	51.663	61	39.52	214	53.960	85	12.98	6	1.42	14	53.02	260	57.566	103	56.14	181
29	51.724	105	37.38	226	54.045	133	13.04	20	1.56	30	50.42	252	57.669	179	54.33	172
Juni 8	51.829	147	35.12	235	54.178	176	13.24	33	1.86	46	47.90	237	57.848	251	52.61	156
18	51.976	184	32.77	236	54.354	216	13.57	46	2.32	60	45.53	213	58.099	315	51.05	135
28	52.160	218	30.41	232	54.570	249	14.03	59	2.92	73	43.40	185	58.414	372	49.70	112
Juli 8	52.378	245	28.09	222	54.819	277	14.62	69	3.65	84	41.55	152	58.786	420	48.58	86
18	52.623	267	25.87	205	55.096	298	15.31	78	4.49	93	40.03	116	59.206	458	47.72	57
28	52.890	283	23.82	182	55.394	313	16.09	83	5.42	99	38.87	76	59.664	486	47.15	28
Aug. 7	53.173	293	22.00	153	55.707	322	16.92	85	6.41	105	38.11	35	60.150	505	46.87	2
17	53.466	298	20.47	119	56.029	326	17.77	86	7.46	108	37.76	7	60.655	516	46.89	31
27	53.764	297	19.28	81	56.355	325	18.63	82	8.54	109	37.83	48	61.171	518	47.20	60
Sept. 6	54.061	292	18.47	40	56.680	320	19.45	77	9.63	108	38.31	90	61.689	512	47.80	87
16	54.353	282	18.07	2	57.000	310	20.22	70	10.71	106	39.21	130	62.201	500	48.67	112
26	54.635	268	18.09	42	57.310	297	20.92	62	11.77	100	40.51	167	62.701	480	49.79	136
Okt. 6	54.903	250	18.51	82	57.607	281	21.54	54	12.77	94	42.18	202	63.181	454	51.15	158
16	55.153	229	19.33	117	57.888	262	22.08	46	13.71	86	44.20	234	63.635	421	52.73	178
26	55.382	205	20.50	147	58.150	239	22.54	39	14.57	76	46.54	262	64.056	380	54.51	195
Nov. 5	55.587	176	21.97	170	58.389	212	22.93	34	15.33	64	49.16	285	64.436	332	56.46	208
15	55.763	145	23.67	185	58.601	180	23.27	30	15.97	51	52.01	300	64.768	276	58.54	218
25	55.908	110	25.52	192	58.781	145	23.57	26	16.48	36	55.01	310	65.044	214	60.72	223
Dez. 4	56.018	71	27.44	193	58.926	105	23.83	24	16.84	20	58.11	311	65.258	145	62.95	223
14	56.089	32	29.37	185	59.031	62	24.07	22	17.04	2	61.22	303	65.403	71	65.18	217
24	56.121	9	31.22	171	59.093	19	24.29	20	17.06	14	64.25	286	65.474	5	67.35	204
34	56.112		32.93		59.112		24.49		16.92		67.11		65.469		69.39	
Mittl. Ort	52.902		37.62		55.275		12.68		6.73		47.94		59.853		52.60	
sec δ, tg δ	1.033		−0.258		1.085		+0.421		4.080		+3.956		1.818		+1.518	

Tag	178) 9 Camelop. AR.		Dekl.		180) π^5 Orionis AR.		Dekl.		181) ι Aurigae AR.		Dekl.		183) ε Aurigae AR.		Dekl.	
1928	$4^h\ 46^m$		$+66°\ 13'$		$4^h\ 50^m$		$+2°\ 19'$		$4^h\ 52^m$		$+33°\ 3'$		$4^h\ 56^m$		$+43°\ 43'$	
Jan. 0	53.73	10	29.41	238	30.169	8	24.80	89	18.291	3	16.38	75	48.185	6	10.80	134
10	53.63	20	31.79	210	30.161	48	23.91	79	18.288	53	17.13	66	48.179	65	12.14	119
20	53.43	29	33.89	176	30.113	87	23.12	66	18.235	99	17.79	55	48.114	120	13.33	100
30	53.14	36	35.65	135	30.026	120	22.46	52	18.136	140	18.34	40	47.994	166	14.33	77
Feb. 9	52.78	42	37.00	88	29.906	145	21.94	38	17.996	171	18.74	23	47.828	204	15.10	51
19	52.36	46	37.88	40	29.761	163	21.56	23	17.825	193	18.97	6	47.624	229	15.61	22
29	51.90	46	38.28	10	29.598	171	21.33	8	17.632	202	19.03	12	47.395	240	15.83	6
März 10	51.44	46	38.18	58	29.427	169	21.25	7	17.430	200	18.91	29	47.155	237	15.77	35
20	50.98	42	37.60	102	29.258	157	21.32	23	17.230	184	18.62	44	46.918	221	15.42	60
30	50.56	37	36.58	142	29.101	134	21.55	39	17.046	158	18.18	55	46.697	191	14.82	82
Apr. 9	50.19	29	35.16	174	28.967	105	21.94	56	16.888	121	17.63	64	46.506	149	14.00	100
19	49.90	20	33.42	199	28.862	69	22.50	73	16.767	78	16.99	68	46.357	100	13.00	112
29	49.70	11	31.43	216	28.793	27	23.23	90	16.689	28	16.31	68	46.257	44	11.88	119
Mai 9	49.59	0	29.27	224	28.766	16	24.13	107	16.661	24	15.63	64	46.213	16	10.69	119
19	49.59	10	27.03	224	28.782	60	25.20	122	16.685	77	14.99	56	46.229	76	9.50	116
29	49.69	21	24.79	217	28.842	104	26.42	135	16.762	128	14.43	46	46.305	135	8.34	107
Juni 8	49.90	30	22.62	202	28.946	145	27.77	145	16.890	176	13.97	32	46.440	191	7.27	95
18	50.20	39	20.60	182	29.091	181	29.22	153	17.066	220	13.65	18	46.631	241	6.32	80
28	50.59	46	18.78	157	29.272	214	30.75	157	17.286	259	13.47	3	46.872	287	5.52	61
Juli 8	51.05	54	17.21	127	29.486	242	32.32	156	17.545	291	13.44	12	47.159	324	4.91	42
18	51.59	59	15.94	95	29.728	263	33.88	150	17.836	316	13.56	25	47.483	354	4.49	23
28	52.18	63	14.99	62	29.991	280	35.38	139	18.152	334	13.81	38	47.837	378	4.26	3
Aug. 7	52.81	66	14.37	26	30.271	290	36.77	124	18.486	347	14.19	49	48.215	393	4.23	16
17	53.47	68	14.11	10	30.561	296	38.01	105	18.833	354	14.68	58	48.608	403	4.39	35
27	54.15	69	14.21	45	30.857	297	39.06	82	19.187	355	15.26	65	49.011	406	4.74	51
Sept. 6	54.84	68	14.66	79	31.154	293	39.88	56	19.542	352	15.91	70	49.417	404	5.25	67
16	55.52	67	15.45	113	31.447	287	40.44	30	19.894	345	16.61	73	49.821	396	5.92	81
26	56.19	64	16.58	145	31.734	276	40.74	2	20.239	334	17.34	76	50.217	385	6.73	94
Okt. 6	56.83	61	18.03	175	32.010	262	40.76	25	20.573	318	18.10	78	50.602	368	7.67	106
16	57.44	56	19.78	201	32.272	245	40.51	49	20.891	299	18.88	80	50.970	345	8.73	117
26	58.00	50	21.79	225	32.517	224	40.02	70	21.190	275	19.68	81	51.315	319	9.90	126
Nov. 5	58.50	44	24.04	244	32.741	200	39.32	86	21.465	247	20.49	83	51.634	285	11.16	135
15	58.94	36	26.48	260	32.941	171	38.46	98	21.712	212	21.32	84	51.919	245	12.51	142
25	59.30	27	29.08	268	33.112	138	37.48	104	21.924	174	22.16	84	52.164	200	13.93	147
Dez. 4*)	3 59.57	18	31.76	269	4 33.250	102	36.44	105	4 22.098	131	23.00	84	52.364	148	15.40	148
14	59.75	8	34.45	264	33.352	62	35.39	103	22.229	82	23.84	83	5 52.512	93	16.88	146
24	59.83	3	37.09	250	33.414	21	34.36	96	22.311	33	24.67	78	52.605	35	18.34	138
34	59.80		39.59		33.435		33.40		22.344		25.45		52.640		19.72	
Mittl. Ort	52.74		22.13		29.966		26.26		18.120		13.15		47.901		6.26	
sec δ, tg δ	2.480		+2.270		1.001		+0.041		1.193		+0.651		1.384		+0.956	

*) Bei Stern 183) lies Dez. 5

Tag	182) 10 Camelop.				184) ι Tauri				185) η Aurigae				186) ε Leporis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1928	4h 56m		+60° 20′		4h 58m		+21° 29′		5h 1m		+41° 8′		5h 2m		−22° 27′	
Jan. 0	61.04	4	27.42	216	47.579	6	20.38	12	28.013	1	23.69	120	25.298	27	64.48	205
10	61.00	13	29.58	194	47.585	39	20.50	10	28.014	55	24.89	108	25.271	71	66.53	180
20	60.87	21	31.52	164	47.546	82	20.60	9	27.959	108	25.97	92	25.200	110	68.33	149
30	60.66	27	33.16	128	47.464	119	20.69	5	27.851	154	26.89	72	25.090	145	69.82	116
Feb. 9	60.39	33	34.44	88	47.345	150	20.74	1	27.697	191	27.61	48	24.945	173	70.98	80
19	60.06	35	35.32	44	47.195	170	20.75	4	27.506	216	28.09	23	24.772	192	71.78	43
29	59.71	37	35.76	0	47.025	180	20.71	9	27.290	229	28.32	3	24.580	202	72.21	6
März 10	59.34	37	35.76	43	46.845	179	20.62	14	27.061	227	28.29	29	24.378	201	72.27	32
20	58.97	34	35.33	84	46.666	167	20.48	18	26.834	213	28.00	52	24.177	189	71.95	69
30	58.63	30	34.49	121	46.499	145	20.30	19	26.621	184	27.48	73	23.988	170	71.26	104
Apr. 9	58.33	24	33.28	150	46.354	112	20.11	18	26.437	146	26.75	88	23.818	141	70.22	137
19	58.09	17	31.78	174	46.242	74	19.93	15	26.291	99	25.87	99	23.677	105	68.85	168
29	57.92	9	30.04	190	46.168	30	19.78	8	26.192	45	24.88	106	23.572	64	67.17	196
Mai 9	57.83	1	28.14	198	46.138	17	19.70	0	26.147	12	23.82	106	23.508	20	65.21	221
19	57.82	8	26.16	198	46.155	65	19.70	10	26.159	70	22.76	103	23.488	25	63.00	240
29	57.90	17	24.18	193	46.220	111	19.80	21	26.229	127	21.73	94	23.513	71	60.60	254
Juni 8	58.07	24	22.25	181	46.331	156	20.01	33	26.356	180	20.79	82	23.584	115	58.06	263
18	58.31	32	20.44	163	46.487	195	20.34	44	26.536	230	19.97	68	23.699	155	55.43	266
28	58.63	38	18.81	141	46.682	230	20.78	55	26.766	272	19.29	52	23.854	193	52.77	261
Juli 8	59.01	44	17.40	115	46.912	260	21.33	63	27.038	310	18.77	34	24.047	225	50.16	249
18	59.45	49	16.25	87	47.172	283	21.96	69	27.348	339	18.43	16	24.272	251	47.67	229
28	59.94	52	15.38	57	47.455	301	22.65	74	27.687	362	18.27	1	24.523	273	45.38	204
Aug. 7	60.46	55	14.81	27	47.756	313	23.39	74	28.049	378	18.28	18	24.796	288	43.34	171
17	61.01	56	14.54	4	48.069	320	24.13	72	28.427	387	18.46	34	25.084	298	41.63	132
27	61.57	57	14.58	35	48.389	322	24.85	68	28.814	391	18.80	47	25.382	303	40.31	89
Sept. 6	62.14	57	14.93	66	48.711	321	25.53	61	29.205	391	19.27	61	25.685	302	39.42	42
16	62.71	56	15.59	94	49.032	314	26.14	53	29.596	384	19.88	73	25.987	297	39.00	6
26	63.27	54	16.53	123	49.346	305	26.67	44	29.980	373	20.61	84	26.284	287	39.06	54
Okt. 6	63.81	52	17.76	148	49.651	291	27.11	36	30.353	357	21.45	94	26.571	272	39.60	100
16	64.33	48	19.24	172	49.942	275	27.47	28	30.710	338	22.39	102	26.843	253	40.60	141
26	64.81	44	20.96	194	50.217	255	27.75	20	31.048	312	23.41	111	27.096	229	42.01	178
Nov. 5	65.25	39	22.90	212	50.472	229	27.95	15	31.360	280	24.52	119	27.325	201	43.79	206
15	65.64	33	25.02	226	50.701	200	28.10	12	31.640	244	25.71	124	27.526	168	45.85	227
25	65.97	26	27.28	236	50.901	166	28.22	10	31.884	200	26.95	129	27.694	132	48.12	237
Dez. 5	66.23	18	29.64	239	51.067	127	28.32	10	32.084	152	28.24	132	27.826	90	50.49	240
14	66.41	10	32.03	236	51.194	84	28.42	11	32.236	98	29.56	130	27.916	48	52.89	233
24	66.51	1	34.39	226	51.278	38	28.53	10	32.334	42	30.86	124	27.964	4	55.22	218
34	66.52		36.65		51.316		28.63		32.376		32.10		27.968		57.40	
Mittl. Ort	60.32		21.09		47.421		18.84		27.746		19.58		24.761		60.08	
sec δ, tg δ	2.021		+1.756		1.075		+0.394		1.328		+0.874		1.082		−0.414	

Tag	188) β Eridani				192) μ Aurigae				191) 19 H. Camelop.				194) β Orionis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1928	$5^h\ 4^m$		$-5°\ 10'$		$5^h\ 8^m$		$+38°\ 24'$		$5^h\ 10^m$		$+79°\ 8'$		$5^h\ 11^m$		$-8°\ 16'$	
Jan. 0	18.861	3	44.07	131	30.170	12	6.65	107	42.71	21	76.09	297	4.946	1	63.35	148
10	18.858	44	45.38	115	30.182	44	7.72	97	42.50	43	79.06	272	4.947	43	64.83	130
20	18.814	84	46.53	97	30.138	96	8.69	84	42.07	62	81.78	236	4.904	82	66.13	110
30	18.730	118	47.50	76	30.042	141	9.53	66	41.45	80	84.14	193	4.822	118	67.23	87
Feb. 9	18.612	146	48.26	54	29.901	178	10.19	47	40.65	93	86.07	142	4.704	147	68.10	63
19	18.466	166	48.80	32	29.723	205	10.66	25	39.72	102	87.49	86	4.557	167	68.73	37
29	18.300	175	49.12	10	29.518	218	10.91	1	38.70	106	88.35	29	4.390	179	69.10	12
März 10	18.125	176	49.22	13	29.300	218	10.92	21	37.64	106	88.64	28	4.211	179	69.22	14
20	17.949	165	49.09	36	29.082	205	10.71	42	36.58	100	88.36	84	4.032	170	69.08	40
30	17.784	146	48.73	58	28.877	181	10.29	61	35.58	91	87.52	134	3.862	152	68.68	64
Apr. 9	17.638	118	48.15	81	28.696	144	9.68	75	34.67	77	86.18	179	3.710	124	68.04	89
19	17.520	84	47.34	102	28.552	100	8.93	86	33.90	60	84.39	215	3.586	91	67.15	112
29	17.436	44	46.32	122	28.452	49	8.07	90	33.30	41	82.24	242	3.495	53	66.03	134
Mai 9	17.392	2	45.10	141	28.403	6	7.17	91	32.89	21	79.82	260	3.442	10	64.69	154
19	17.390	42	43.69	158	28.409	61	6.26	88	32.68	1	77.22	270	3.432	33	63.15	171
29	17.432	85	42.11	171	28.470	115	5.38	80	32.69	22	74.52	270	3.465	76	61.44	186
Juni 8	17.517	126	40.40	182	28.585	168	4.58	70	32.91	42	71.82	262	3.541	118	59.58	196
18	17.643	164	38.58	188	28.753	215	3.88	57	33.33	63	69.20	246	3.659	156	57.62	202
28	17.807	197	36.70	188	28.968	258	3.31	42	33.96	80	66.74	225	3.815	190	55.60	201
Juli 8	18.004	227	34.82	184	29.226	293	2.89	26	34.76	96	64.49	197	4.005	220	53.59	196
18	18.231	250	32.98	173	29.519	323	2.63	11	35.72	109	62.52	163	4.225	245	51.63	185
28	18.481	269	31.25	159	29.842	345	2.52	4	36.81	121	60.89	127	4.470	264	49.78	168
Aug. 7	18.750	281	29.66	139	30.187	362	2.56	18	38.02	131	59.62	88	4.734	278	48.10	144
17	19.031	290	28.27	112	30.549	372	2.74	32	39.33	136	58.74	47	5.012	288	46.66	117
27	19.321	293	27.15	83	30.921	378	3.06	43	40.69	140	58.27	4	5.300	292	45.49	85
Sept. 6	19.614	292	26.32	51	31.299	377	3.49	53	42.09	141	58.23	38	5.592	293	44.64	50
16	19.906	287	25.81	16	31.676	372	4.02	63	43.50	141	58.61	80	5.885	289	44.14	13
26	20.193	279	25.65	18	32.048	363	4.65	71	44.91	137	59.41	123	6.174	281	44.01	24
Okt. 6	20.472	267	25.83	51	32.411	349	5.36	78	46.28	130	60.64	162	6.455	270	44.25	60
16	20.739	250	26.34	82	32.760	331	6.14	86	47.58	122	62.26	200	6.725	254	44.85	93
26	20.989	231	27.16	107	33.091	308	7.00	92	48.80	110	64.26	235	6.979	235	45.78	122
Nov. 5	21.220	206	28.23	128	33.399	279	7.92	99	49.90	95	66.61	265	7.214	211	47.00	144
15	21.426	178	29.51	144	33.678	245	8.91	105	50.85	79	69.26	289	7.425	182	48.44	161
25	21.604	145	30.95	151	33.923	203	9.96	110	51.64	61	72.15	306	7.607	150	50.05	170
Dez. 5	21.749	109	32.46	153	34.126	156	11.06	112	52.25	39	75.21	316	7.757	112	51.75	172
14	21.858	69	33.99	149	34.282	106	12.18	113	52.64	17	78.37	317	7.869	73	53.47	168
24	21.927	26	35.48	140	34.388	50	13.31	109	52.81	6	81.54	308	7.942	30	55.15	158
34	21.953		36.88		34.438		14.40		52.75		84.62		7.972		56.73	
Mittl. Ort	18.562		41.96		29.912		3.03		39.29		69.10		4.599		61.10	
sec δ, tg δ	1.004		−0.091		1.276		+0.792		5.314		+5.219		1.011		−0.146	

Tag	193) α Aurigae				196) ϑ Doradus				201) γ Orionis				202) β Tauri			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1928	5h 11m		+45° 55′		5h 13m		−67° 15′		5h 21m		+6° 17′		5h 21m		+28° 32′	
Jan. 0	22.386	10	40.04	147	51.85	26	65.51	297	16.353	21	8.22	76	44.569	29	55.79	52
10	22.396	53	41.51	134	51.59	35	68.48	259	16.374	23	7.46	66	44.598	21	56.31	49
20	22.343	111	42.85	116	51.24	43	71.07	216	16.351	65	6.80	55	44.577	70	56.80	44
30	22.232	163	44.01	94	50.81	51	73.23	166	16.286	103	6.25	44	44.507	113	57.24	38
Feb. 9	22.069	205	44.95	67	50.30	55	74.89	113	16.183	134	5.81	32	44.394	149	57.62	28
19	21.864	234	45.62	38	49.75	59	76.02	57	16.049	157	5.49	21	44.245	176	57.90	16
29	21.630	250	46.00	7	49.16	61	76.59	1	15.892	171	5.28	9	44.069	190	58.06	4
März 10	21.380	251	46.07	24	48.55	60	76.60	53	15.721	173	5.19	2	43.879	194	58.10	8
20	21.129	236	45.83	52	47.95	59	76.07	107	15.548	165	5.21	14	43.685	184	58.02	19
30	20.893	209	45.31	77	47.36	54	75.00	157	15.383	148	5.35	26	43.501	165	57.83	29
Apr. 9	20.684	169	44.54	99	46.82	49	73.43	203	15.235	122	5.61	38	43.336	134	57.54	36
19	20.515	120	43.55	114	46.33	43	71.40	245	15.113	88	5.99	52	43.202	96	57.18	40
29	20.395	64	42.41	125	45.90	35	68.95	282	15.025	50	6.51	65	43.106	52	56.78	41
Mai 9	20.331	3	41.16	130	45.55	26	66.13	312	14.975	8	7.16	79	43.054	4	56.37	39
19	20.328	59	39.86	129	45.29	17	63.01	335	14.967	36	7.95	92	43.050	45	55.98	33
29	20.387	120	38.57	124	45.12	7	59.66	350	15.003	79	8.87	104	43.095	94	55.65	26
Juni 8	20.507	178	37.33	114	45.05	3	56.16	357	15.082	120	9.91	114	43.189	141	55.39	18
18	20.685	232	36.19	100	45.08	12	52.59	355	15.202	158	11.05	122	43.330	184	55.21	7
28	20.917	279	35.19	84	45.20	22	49.04	344	15.360	193	12.27	126	43.514	222	55.14	4
Juli 8	21.196	320	34.35	66	45.42	31	45.60	323	15.553	223	13.53	127	43.736	255	55.18	13
18	21.516	355	33.69	47	45.73	39	42.37	292	15.776	247	14.80	124	43.991	283	55.31	23
28	21.871	381	33.22	27	46.12	46	39.45	254	16.023	266	16.04	117	44.274	305	55.54	30
Aug. 7	22.252	400	32.95	8	46.58	51	36.91	207	16.289	281	17.21	105	44.579	321	55.84	35
17	22.652	413	32.87	12	47.09	56	34.84	153	16.570	292	18.26	89	44.900	332	56.19	40
27	23.065	420	32.99	30	47.65	59	33.31	93	16.862	296	19.15	71	45.232	338	56.59	42
Sept. 6	23.485	421	33.29	48	48.24	60	32.38	30	17.158	298	19.86	49	45.570	340	57.01	42
16	23.906	416	33.77	64	48.84	59	32.08	35	17.456	296	20.35	25	45.910	338	57.43	42
26	24.322	406	34.41	80	49.43	57	32.43	99	17.752	290	20.60	1	46.248	331	57.85	40
Okt. 6	24.728	392	35.21	95	50.00	53	33.42	162	18.042	281	20.61	21	46.579	322	58.25	39
16	25.120	371	36.16	108	50.53	48	35.04	218	18.323	268	20.40	43	46.901	307	58.64	38
26	25.491	345	37.24	121	51.01	40	37.22	265	18.591	251	19.97	61	47.208	289	59.02	37
Nov. 5	25.836	313	38.45	133	51.41	32	39.87	303	18.842	229	19.36	76	47.497	265	59.39	39
15	26.149	272	39.78	143	51.73	23	42.90	331	19.071	203	18.60	85	47.762	235	59.78	41
25	26.421	226	41.21	151	51.96	12	46.21	345	19.274	171	17.75	91	47.997	200	60.19	43
Dez. 5	26.647	173	42.72	155	52.08	1	49.66	347	19.445	135	16.84	92	48.197	159	60.62	46
14	26.820	115	44.27	156	52.09	9	53.13	337	19.580	95	15.92	89	48.356	113	61.08	49
24	26.935	53	45.83	152	52.00	19	56.50	316	19.675	52	15.03	82	48.469	65	61.57	51
34	26.988		47.35		51.81		59.66		19.727		14.21		48.534		62.08	
Mittl. Ort	22.022		35.66		48.48		58.71		16.106		8.43		44.343		53.51	
sec δ, tg δ	1.438		+1.033		2.588		−2.387		1.006		+0.110		1.138		+0.544	

Tag	203) 17 Camelop.				206) δ Orionis				207) α Leporis				205) Grb 966			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1928	$5^h\ 23^m$		+63° 0′		$5^h\ 28^m$		−0° 20′		$5^h\ 29^m$		−17° 52′		$5^h\ 30^m$		+74° 59	
Jan. 0	22.82 s	0	39.30 "	237	19.937 s	23	65.00 "	114	33.753 s	4	24.29 "	200	7.56 s	5	63.74 "	289
10	22.82	10	41.67	219	19.960	22	66.14	101	33.757	41	26.29	179	7.51	21	66.63	268
20	22.72	19	43.86	194	19.938	64	67.15	84	33.716	83	28.08	152	7.30	37	69.31	240
30	22.53	27	45.80	160	19.874	102	67.99	68	33.633	122	29.60	123	6.93	51	71.71	202
Feb. 9	22.26	33	47.40	122	19.772	133	68.67	50	33.511	154	30.83	91	6.42	62	73.73	156
19	21.93	37	48.62	79	19.639	157	69.17	32	33.357	177	31.74	58	5.80	70	75.29	106
29	21.56	41	49.41	34	19.482	172	69.49	13	33.180	191	32.32	24	5.10	75	76.35	51
März 10	21.15	41	49.75	13	19.310	175	69.62	4	32.989	195	32.56	11	4.35	75	76.86	4
20	20.74	39	49.62	57	19.135	169	69.58	23	32.794	189	32.45	44	3.60	73	76.82	57
30	20.35	36	49.05	98	18.966	152	69.35	40	32.605	173	32.01	76	2.87	68	76.25	107
Apr. 9	19.99	30	48.07	135	18.814	128	68.95	59	32.432	148	31.25	108	2.19	58	75.18	152
19	19.69	23	46.72	163	18.686	96	68.36	76	32.284	116	30.17	137	1.61	46	73.66	190
29	19.46	15	45.09	187	18.590	59	67.60	94	32.168	79	28.80	164	1.15	34	71.76	219
Mai 9	19.31	6	43.22	202	18.531	17	66.66	111	32.089	37	27.16	189	0.81	19	69.57	241
19	19.25	3	41.20	208	18.514	25	65.55	125	32.052	6	25.27	209	0.62	3	67.16	253
29	19.28	12	39.12	209	18.539	67	64.30	139	32.058	49	23.18	225	0.59	12	64.63	258
Juni 8	19.40	21	37.03	204	18.606	108	62.91	149	32.107	92	20.93	236	0.71	27	62.05	255
18	19.61	29	34.99	190	18.714	146	61.42	156	32.199	132	18.57	241	0.98	42	59.50	244
28	19.90	37	33.09	173	18.860	182	59.86	158	32.331	169	16.16	240	1.40	55	57.06	226
Juli 8	20.27	43	31.36	152	19.042	211	58.28	157	32.500	202	13.76	232	1.95	68	54.80	202
18	20.70	49	29.84	126	19.253	237	56.71	150	32.702	230	11.44	218	2.63	78	52.78	175
28	21.19	54	28.58	99	19.490	257	55.21	139	32.932	253	9.26	196	3.41	86	51.03	143
Aug. 7	21.73	57	27.59	69	19.747	273	53.82	122	33.185	271	7.30	169	4.27	94	49.60	108
17	22.30	60	26.90	38	20.020	284	52.60	101	33.456	285	5.61	134	5.21	100	48.52	70
27	22.90	61	26.52	6	20.304	291	51.59	77	33.741	293	4.27	96	6.21	103	47.82	32
Sept. 6	23.51	62	26.46	25	20.595	294	50.82	49	34.034	297	3.31	52	7.24	105	47.50	9
16	24.13	62	26.71	57	20.889	292	50.33	19	34.331	296	2.79	8	8.29	105	47.59	48
26	24.75	61	27.28	88	21.181	288	50.14	12	34.627	291	2.71	37	9.34	103	48.07	89
Okt. 6	25.36	59	28.16	117	21.469	279	50.26	41	34.918	282	3.08	81	10.37	100	48.96	127
16	25.95	55	29.33	147	21.748	267	50.67	68	35.200	267	3.89	123	11.37	95	50.23	164
26	26.50	52	30.80	174	22.015	250	51.35	91	35.467	248	5.12	158	12.32	87	51.87	199
Nov. 5	27.02	47	32.54	196	22.265	230	52.26	110	35.715	224	6.70	187	13.19	78	53.86	231
15	27.49	40	34.50	217	22.495	203	53.36	124	35.939	196	8.57	209	13.97	67	56.17	258
25	27.89	33	36.67	234	22.698	172	54.60	132	36.135	161	10.66	221	14.64	53	58.75	279
Dez. 5	28.22	25	39.01	243	22.870	136	55.92	133	36.296	122	12.87	227	15.17	39	61.54	292
14	[12] 28.47	16	41.44	247	[13] 23.006	96	57.25	130	[13] 36.418	81	15.14	223	[14] 15.56	23	64.46	298
24	28.63	6	43.91	242	23.102	53	58.55	122	36.499	35	17.37	212	15.79	6	67.44	295
34	28.69		46.33		23.155		59.77		36.534		19.49		15.85		70.39	
Mittl. Ort	21.84		33.91		19.633		64.25		33.240		21.93		5.17		57.99	
sec δ, tg δ	2.203		+1.963		1.000		−0.006		1.051		−0.322		3.864		+3.732	

Scheinbare Sternörter 1928

Tag	209) ι Orionis AR.		209) ι Orionis Dekl.		210) ε Orionis AR.		210) ε Orionis Dekl.		212) β Doradus AR.		212) β Doradus Dekl.		211) ζ Tauri AR.		211) ζ Tauri Dekl.	
1928	5h 31m		−5° 57′		5h 32m		−1° 14′		5h 32m		−62° 31′		5h 33m		+21° 6′	
Jan. 0	54.998	21	22.86	145	33.870	26	48.75	121	62.57	16	76.90	313	20.681	39	1.69	7
10	55.019	24	24.31	128	33.896	19	49.96	106	62.41	25	80.03	280	20.720	9	1.76	11
20	54.995	66	25.59	109	33.877	62	51.02	89	62.16	32	82.83	240	20.711	56	1.87	12
30	54.929	104	26.68	88	33.815	100	51.91	72	61.84	38	85.23	193	20.655	98	1.99	13
Feb. 9	54.825	136	27.56	65	33.715	132	52.63	53	61.46	44	87.16	142	20.557	134	2.12	11
19	54.689	161	28.21	42	33.583	157	53.16	34	61.02	48	88.58	88	20.423	161	2.23	8
29	54.528	175	28.63	18	33.426	171	53.50	16	60.54	49	89.46	34	20.262	177	2.31	4
März 10	54.353	178	28.81	5	33.255	175	53.66	4	60.05	50	89.80	22	20.085	182	2.35	0
20	54.175	173	28.76	29	33.080	170	53.62	23	59.55	49	89.58	75	19.903	177	2.35	4
30	54.002	158	28.47	52	32.910	155	53.39	42	59.06	46	88.83	127	19.726	159	2.31	7
Apr. 9	53.844	134	27.95	74	32.755	131	52.97	60	58.60	42	87.56	175	19.567	132	2.24	8
19	53.710	102	27.21	96	32.624	99	52.37	79	58.18	37	85.81	220	19.435	99	2.16	7
29	53.608	66	26.25	116	32.525	62	51.58	97	57.81	31	83.61	259	19.336	58	2.09	4
Mai 9	53.542	25	25.09	136	32.463	22	50.61	114	57.50	24	81.02	293	19.278	14	2.05	1
19	53.517	17	23.73	153	32.441	21	49.47	129	57.26	15	78.09	320	19.264	32	2.06	7
29	53.534	59	22.20	167	32.462	63	48.18	142	57.11	8	74.89	339	19.296	78	2.13	16
Juni 8	53.593	101	20.53	178	32.525	103	46.76	152	57.03	1	71.50	350	19.374	123	2.29	24
18	53.694	139	18.75	184	32.628	142	45.24	159	57.04	8	68.00	353	19.497	163	2.53	32
28	53.833	174	16.91	185	32.770	177	43.65	162	57.12	17	64.47	346	19.660	199	2.85	40
Juli 8	54.007	204	15.06	182	32.947	207	42.03	160	57.29	24	61.01	330	19.859	232	3.25	46
18	54.211	231	13.24	173	33.154	233	40.43	153	57.53	31	57.71	304	20.091	259	3.71	50
28	54.442	252	11.51	158	33.387	255	38.90	141	57.84	38	54.67	269	20.350	281	4.21	53
Aug. 7	54.694	269	9.93	137	33.642	270	37.49	124	58.22	43	51.98	225	20.631	297	4.74	52
17	54.963	281	8.56	113	33.912	282	36.25	102	58.65	46	49.73	174	20.928	309	5.26	49
27	55.244	289	7.43	83	34.194	290	35.23	77	59.11	49	47.99	117	21.237	317	5.75	44
Sept. 6	55.533	292	6.60	50	34.484	293	34.46	48	59.60	51	46.82	54	21.554	320	6.19	37
16	55.825	291	6.10	15	34.777	292	33.98	18	60.11	52	46.28	10	21.874	320	6.56	28
26	56.116	287	5.95	20	35.069	289	33.80	13	60.63	50	46.38	76	22.194	315	6.84	20
Okt. 6	56.403	280	6.15	55	35.358	280	33.93	43	61.13	47	47.14	140	22.509	308	7.04	11
16	56.683	266	6.70	86	35.638	269	34.36	72	61.60	44	48.54	197	22.817	297	7.15	3
26	56.949	250	7.56	115	35.907	253	35.08	96	62.04	39	50.51	250	23.114	281	7.18	3
Nov. 5	57.199	229	8.71	137	36.160	232	36.04	116	62.43	32	53.01	291	23.395	259	7.15	6
15	57.428	202	10.08	153	36.392	206	37.20	130	62.75	24	55.92	324	23.654	232	7.09	8
25	57.630	171	11.61	163	36.598	175	38.50	137	62.99	16	59.16	343	23.886	201	7.01	7
Dez. 5	57.801	135	13.24	166	36.773	139	39.87	140	63.15	8	62.59	350	24.087	162	6.94	4
14	57.936	95	14.90	163	36.912	100	41.27	137	63.23	2	66.09	346	24.249	119	6.90	1
24	58.031	51	16.53	153	37.012	56	42.64	128	63.21	11	69.55	330	24.368	73	6.89	4
34	58.082		18.06		37.068		43.92		63.10		72.85		24.441		6.93	
Mittl. Ort	54.638		21.69		33.552		48.05		59.87		72.26		20.448		0.25	
sec δ, tg δ	1.005		−0.104		1.000		−0.022		2.168		−1.924		1.072		+0.386	

Tag	215) α Columbae AR.		Dekl.		216) ο Aurigae AR.		Dekl.		219) ζ Leporis AR.		Dekl.		220) κ Orionis AR.		Dekl.	
1928	$5^h 37^m$		−34° 6′		$5^h 40^m$		+49° 47′		$5^h 43^m$		−14° 50′		$5^h 44^m$		−9° 41′	
Jan. 0	3.330	19	45.28	266	19.792	47	51.66	173	42.035	22	52.94	193	20.898	28	39.49	168
10	3.311	69	47.94	239	19.839	23	53.39	164	42.057	25	54.87	173	20.926	17	41.17	151
20	3.242	116	50.33	206	19.816	91	55.03	150	42.032	69	56.60	150	20.909	61	42.68	129
30	3.126	159	52.39	168	19.725	151	56.53	129	41.963	108	58.10	122	20.848	101	43.97	105
Feb. 9	2.967	195	54.07	126	19.574	203	57.82	102	41.855	142	59.32	92	20.747	135	45.02	80
19	2.772	221	55.33	82	19.371	242	58.84	73	41.713	168	60.24	62	20.612	160	45.82	53
29	2.551	236	56.15	37	19.129	266	59.57	39	41.545	184	60.86	30	20.452	177	46.35	26
März 10	2.315	242	56.52	9	18.863	274	59.96	6	41.361	190	61.16	1	20.275	183	46.61	1
20	2.073	236	56.43	53	18.589	268	60.02	28	41.171	187	61.15	32	20.092	179	46.60	28
30	1.837	220	55.90	97	18.321	245	59.74	59	40.984	172	60.83	63	19.913	166	46.32	54
Apr. 9	1.617	194	54.93	137	18.076	208	59.15	87	40.812	150	60.20	93	19.747	144	45.78	80
19	1.423	161	53.56	176	17.868	162	58.28	110	40.662	121	59.27	120	19.603	113	44.98	104
29	1.262	121	51.80	210	17.706	106	57.18	127	40.541	84	58.07	145	19.490	79	43.94	126
Mai 9	1.141	77	49.70	240	17.600	45	55.91	139	40.457	45	56.62	170	19.411	39	42.68	148
19	1.064	30	47.30	265	17.555	20	54.52	146	40.412	3	54.92	190	19.372	3	41.20	166
29	1.034	18	44.65	284	17.575	84	53.06	146	40.409	40	53.02	206	19.375	45	39.54	182
Juni 8	1.052	66	41.81	296	17.659	147	51.60	143	40.449	81	50.96	217	19.420	86	37.72	192
18	1.118	113	38.85	301	17.806	207	50.17	134	40.530	121	48.79	224	19.506	124	35.80	199
28	1.231	156	35.84	298	18.013	260	48.83	122	40.651	158	46.55	224	19.630	160	33.81	201
Juli 8	1.387	195	32.86	286	18.273	307	47.61	106	40.809	190	44.31	219	19.790	193	31.80	196
18	1.582	230	30.00	267	18.580	349	46.55	90	40.999	219	42.12	206	19.983	220	29.84	186
28	1.812	260	27.33	239	18.929	382	45.65	71	41.218	244	40.06	188	20.203	243	27.98	170
Aug. 7	2.072	284	24.94	204	19.311	409	44.94	51	41.462	262	38.18	162	20.446	261	26.28	147
17	2.356	303	22.90	161	19.720	429	44.43	31	41.724	277	36.56	132	20.707	276	24.81	121
27	2.659	316	21.29	111	20.149	442	44.12	11	42.001	287	35.24	95	20.983	286	23.60	88
Sept. 6	2.975	322	20.18	59	20.591	451	44.01	10	42.288	293	34.29	55	21.269	291	22.72	52
16	3.297	324	19.59	4	21.042	452	44.11	30	42.581	295	33.74	13	21.560	293	22.20	14
26	3.621	319	19.55	53	21.494	448	44.41	49	42.876	292	33.61	30	21.853	290	22.06	25
Okt. 6	3.940	308	20.08	108	21.942	438	44.90	69	43.168	285	33.91	73	22.143	283	22.31	62
16	4.248	291	21.16	158	22.380	422	45.59	89	43.453	274	34.64	112	22.426	273	22.93	98
26	4.539	268	22.74	204	22.802	398	46.48	107	43.727	257	35.76	147	22.699	258	23.91	130
Nov. 5	4.807	239	24.78	242	23.200	367	47.55	125	43.984	236	37.23	175	22.957	237	25.21	155
15	5.046	204	27.20	270	23.567	328	48.80	142	44.220	209	38.98	197	23.194	211	26.76	173
25	5.250	162	29.90	288	23.895	281	50.22	155	44.429	176	40.95	211	23.405	180	28.49	186
Dez. 5	5.412	117	32.78	295	24.176	225	51.77	167	44.605	139	43.06	216	23.585	144	30.35	190
15	$_{15}$5.529	68	35.73	292	$_{16}$24.401	162	53.44	173	$_{17}$44.744	97	45.22	213	$_{17}$23.729	103	32.25	187
24	5.597	16	38.65	279	24.563	95	55.17	174	44.841	53	47.35	204	23.832	59	34.12	178
34	5.613		41.44		24.658		56.91		44.894		49.39		23.891		35.90	
Mittl. Ort	2.440		42.22		19.269		47.92		41.548		51.57		20.478		38.52	
sec δ, tg δ	1.208		−0.677		1.549		+1.183		1.035		−0.265		1.014		−0.171	

Scheinbare Sternörter 1928

Tag	224) α Orionis AR.		224) α Orionis Dekl.		225) δ Aurigae AR.		225) δ Aurigae Dekl.		227) β Aurigae AR.		227) β Aurigae Dekl.		228) θ Aurigae AR.		228) θ Aurigae Dekl.	
1928	5h 51m		+7° 23′		5h 53m		+54° 16′		5h 54m		+44° 56′		5h 54m		+37° 12′	
Jan. 0	16.688s	49	42.66″	77	36.589s	66	56.07″	197	15.303s	68	33.74″	147	49.044s	68	35.47″	101
10	16.737	3	41.89	66	36.655	12	58.04	190	15.371	2	35.21	143	49.112	9	36.48	101
20	16.740	42	41.23	55	36.643	88	59.94	176	15.373	61	36.64	133	49.121	48	37.49	96
30	16.698	84	40.68	42	36.555	157	61.70	154	15.312	120	37.97	118	49.073	101	38.45	86
Feb. 9	16.614	120	40.26	30	36.398	217	63.24	127	15.192	170	39.15	98	48.972	146	39.31	73
19	16.494	148	39.96	18	36.181	263	64.51	94	15.022	209	40.13	74	48.826	181	40.04	55
29	16.346	166	39.78	8	35.918	293	65.45	58	14.813	235	40.87	47	48.645	205	40.59	35
März 10	16.180	173	39.70	2	35.625	306	66.03	20	14.578	246	41.34	17	48.440	215	40.94	15
20	16.007	171	39.72	13	35.319	303	66.23	18	14.332	243	41.51	11	48.225	212	41.09	6
30	15.836	158	39.85	24	35.016	281	66.05	53	14.089	226	41.40	39	48.013	197	41.03	26
Apr. 9	15.678	136	40.09	34	34.735	245	65.52	86	13.863	195	41.01	63	47.816	170	40.77	44
19	15.542	106	40.43	45	34.490	197	64.66	115	13.668	155	40.38	85	47.646	134	40.33	61
29	15.436	71	40.88	56	34.293	139	63.51	137	13.513	106	39.53	101	47.512	90	39.72	67
Mai 9	15.365	31	41.44	68	34.154	74	62.14	154	13.407	51	38.52	112	47.422	40	39.05	77
19	15.334	10	42.12	80	34.080	4	60.60	165	13.356	7	37.40	120	47.382	12	38.28	80
29	15.344	53	42.92	90	34.076	66	58.95	170	13.363	65	36.20	121	47.394	63	37.48	80
Juni 8	15.397	94	43.82	98	34.142	136	57.25	169	13.428	122	34.99	119	47.457	115	36.68	76
18	15.491	133	44.80	106	34.278	201	55.56	163	13.550	177	33.80	114	47.572	163	35.92	71
28	15.624	168	45.86	110	34.479	261	53.93	152	13.727	227	32.66	104	47.735	207	35.21	62
Juli 8	15.792	200	46.96	110	34.740	315	52.41	139	13.954	271	31.62	93	47.942	246	34.59	53
18	15.992	227	48.06	108	35.055	363	51.02	121	14.225	309	30.69	80	48.188	280	34.06	42
28	16.219	249	49.14	101	35.418	403	49.81	103	14.534	342	29.89	65	48.468	308	33.64	33
Aug. 7	16.468	267	50.15	91	35.821	436	48.78	82	14.876	367	29.24	50	48.776	332	33.31	23
17	16.735	281	51.06	76	36.257	461	47.96	59	15.243	388	28.74	34	49.108	349	33.08	13
27	17.016	291	51.82	58	36.718	479	47.37	36	15.631	403	28.40	19	49.457	362	32.95	5
Sept. 6	17.307	297	52.40	37	37.197	492	47.01	13	16.034	412	28.21	4	49.819	370	32.90	3
16	17.604	299	52.77	16	37.689	497	46.88	12	16.446	416	28.17	11	50.189	373	32.93	12
26	17.903	298	52.93	8	38.186	496	47.00	35	16.862	416	28.28	27	50.562	373	33.05	19
Okt. 6	18.201	294	52.85	30	38.682	487	47.35	60	17.278	409	28.55	43	50.935	368	33.24	27
16	18.495	285	52.55	50	39.169	472	47.95	84	17.687	398	28.98	58	51.303	359	33.51	36
26	18.780	272	52.05	68	39.641	449	48.79	107	18.085	379	29.56	74	51.662	342	33.87	45
Nov. 5	19.052	253	51.37	81	40.090	416	49.86	130	18.464	354	30.30	90	52.004	320	34.32	55
15	19.305	230	50.56	91	40.506	375	51.16	150	18.818	321	31.20	106	52.324	292	34.87	65
25	19.535	201	49.65	95	40.881	323	52.66	169	19.139	279	32.26	120	52.616	255	35.52	76
Dez. 5	19.736	165	48.70	96	41.204	263	54.35	184	19.418	230	33.46	132	52.871	212	36.28	86
15	19.901	125	47.74	91	41.467	194	56.19	193	19.648	174	34.78	140	53.083	162	37.14	93
24	19 20.026	81	46.83	84	20 41.661	119	58.12	198	20 19.822	112	36.18	145	20 53.245	107	38.07	99
34	20.107		45.99		41.780		60.10		19.934		37.63		53.352		39.06	
Mittl. Ort	16.401		42.21		35.907		52.58		14.850		30.81		48.697		33.04	
sec δ, tg δ	1.008		+0.130		1.713		+1.391		1.413		+0.998		1.256		+0.759	

Tag	229) η Columbae AR.		Dekl.		232) ν Orionis AR.		Dekl.	
1928	$5^h\ 56^m$		−42° 48′		$6^h\ 3^m$		+14° 46′	
Jan. 0	57.799 s	19	68.77″	303	27.955 s	66	43.12″	36
10	57.780	77	71.80	276	28.021	17	42.76	27
20	57.703	132	74.56	243	28.038	30	42.49	19
30	57.571	181	76.99	203	28.008	75	42.30	11
Feb. 9	57.390	223	79.02	160	27.933	114	42.19	4
19	57.167	254	80.62	112	27.819	144	42.15	1
29	56.913	275	81.74	63	27.675	165	42.16	4
März 10	56.638	285	82.37	13	27.510	175	42.20	8
20	56.353	283	82.50	36	27.335	175	42.28	10
30	56.070	268	82.14	83	27.160	163	42.38	12
Apr. 9	55.802	245	81.31	129	26.997	142	42.50	17
19	55.557	213	80.02	173	26.855	114	42.67	20
29	55.344	172	78.29	211	26.741	78	42.87	25
Mai 9	55.172	125	76.18	245	26.663	38	43.12	32
19	55.047	77	73.73	275	26.625	4	43.44	39
29	54.970	25	70.98	297	26.629	46	43.83	46
Juni 8	54.945	28	68.01	313	26.675	89	44.29	53
18	54.973	81	64.88	320	26.764	128	44.82	59
28	55.054	129	61.68	319	26.892	165	45.41	63
Juli 8	55.183	176	58.49	310	27.057	197	46.04	66
18	55.359	219	55.39	291	27.254	226	46.70	66
28	55.578	256	52.48	264	27.480	250	47.36	63
Aug. 7	55.834	288	49.84	227	27.730	270	47.99	57
17	56.122	314	47.57	184	28.000	285	48.56	48
27	56.436	334	45.73	133	28.285	296	49.04	37
Sept. 6	56.770	347	44.40	76	28.581	304	49.41	24
16	57.117	354	43.64	17	28.885	309	49.65	8
26	57.471	352	43.47	43	29.194	310	49.73	7
Okt. 6	57.823	344	43.90	104	29.504	307	49.66	21
16	58.167	327	44.94	161	29.811	300	49.45	35
26	58.494	304	46.55	211	30.111	288	49.10	46
Nov. 5	58.798	272	48.66	255	30.399	272	48.64	54
15	59.070	232	51.21	289	30.671	249	48.10	58
25	59.302	186	54.10	312	30.920	220	47.52	59
Dez. 5	59.488	135	57.22	325	31.140	185	46.93	55
15	$_{20}$59.623	79	60.47	325	$_{22}$31.325	145	46.38	50
24	59.702	20	63.72	314	31.470	99	45.88	43
34	59.722		66.86		31.569		45.45	
Mittl. Ort	56.567		66.99		27.678		42.08	
sec δ, tg δ	1.363		−0.927		1.034		+0.264	

Tag	236) η Geminorum AR.		Dekl.		234) 22 H. Camelop. AR.		Dekl.	
1928	$6^h\ 10^m$		+22° 31′		$6^h\ 10^m$		+69° 20′	
Jan. 0	32.195 s	79	46.54″	10	56.66 s	10	56.12″	270
10	32.274	26	46.64	17	56.76	3	58.82	262
20	32.300	24	46.81	23	56.73	15	61.44	246
30	32.276	72	47.04	25	56.58	27	63.90	220
Feb. 9	32.204	114	47.29	26	56.31	36	66.10	185
19	32.090	146	47.55	24	55.95	45	67.95	143
29	31.944	170	47.79	20	55.50	51	69.38	97
März 10	31.774	182	47.99	15	54.99	53	70.35	48
20	31.592	182	48.14	10	54.46	53	70.83	3
30	31.410	172	48.24	4	53.93	51	70.80	53
Apr. 9	31.238	151	48.28	0	53.42	46	70.27	98
19	31.087	122	48.28	3	52.96	39	69.29	139
29	30.965	85	48.25	5	52.57	31	67.90	173
Mai 9	30.880	45	48.20	4	52.26	21	66.17	201
19	30.835	1	48.16	2	52.05	10	64.16	222
29	30.834	44	48.14	1	51.95	2	61.94	235
Juni 8	30.878	87	48.15	6	51.97	12	59.59	240
18	30.965	129	48.21	11	52.09	23	57.19	239
28	31.094	167	48.32	16	52.32	34	54.80	231
Juli 8	31.261	202	48.48	19	52.66	43	52.49	217
18	31.463	232	48.67	22	53.09	51	50.32	198
28	31.695	257	48.89	23	53.60	59	48.34	175
Aug. 7	31.952	278	49.12	22	54.19	66	46.59	149
17	32.230	296	49.34	19	54.85	70	45.10	119
27	32.526	309	49.53	15	55.55	74	43.91	86
Sept. 6	32.835	318	49.68	8	56.29	78	43.05	53
16	33.153	323	49.76	0	57.07	79	42.52	18
26	33.476	325	49.76	6	57.86	79	42.34	19
Okt. 6	33.801	324	49.70	13	58.65	79	42.53	56
16	34.125	318	49.57	19	59.44	76	43.09	92
26	34.443	307	49.38	22	60.20	73	44.01	129
Nov. 5	34.750	291	49.16	24	60.93	67	45.30	163
15	35.041	268	48.92	22	61.60	61	46.93	195
25	35.309	238	48.70	17	62.21	52	48.88	223
Dez. 5	35.547	202	48.53	12	62.73	43	51.11	245
15	$_{24}$35.749	160	48.41	4	$_{24}$63.16	31	53.56	261
24	35.909	113	48.37	4	63.47	18	56.17	268
34	36.022		48.41		63.65		58.85	
Mittl. Ort	31.912		45.13		54.96		52.81	
sec δ, tg δ	1.083		+0.415		2.835		+2.653	

Scheinbare Sternörter 1928

Tag	240) ζ Canis maj. AR.		240) Dekl.		241) μ Geminorum AR.		241) Dekl.		242) ψ¹ Aurigae AR.		242) Dekl.		243) β Canis maj. AR.		243) Dekl.	
1928	6h 17m		−30° 1′		6h 18m		+22° 33′		6h 19m		+49° 19′		6h 19m		−17° 54′	
Jan. 0	33.716 s	33	49.23″	273	36.614 s	86	8.88″	8	21.892 s	106	37.93″	170	32.275 s	52	68.15″	222
10	33.749	19	51.96	252	36.700	35	8.96	16	21.998	33	39.63	170	32.327	3	70.37	204
20	33.730	70	54.48	225	36.735	17	9.12	22	22.031	38	41.33	163	32.330	44	72.41	181
30	33.660	116	56.73	192	36.718	65	9.34	27	21.993	105	42.96	150	32.286	89	74.22	153
Feb. 9	33.544	157	58.65	154	36.653	107	9.61	28	21.888	165	44.46	131	32.197	127	75.75	122
19	33.387	189	60.19	114	36.546	142	9.89	26	21.723	212	45.77	105	32.070	159	76.97	89
29	33.198	212	61.33	73	36.404	167	10.15	23	21.511	246	46.82	76	31.911	180	77.86	55
März 10	32.986	224	62.06	30	36.237	180	10.38	19	21.265	265	47.58	45	31.731	193	78.41	22
20	32.762	226	62.36	12	36.057	182	10.57	13	21.000	268	48.03	11	31.538	194	78.63	12
30	32.536	217	62.24	54	35.875	173	10.70	7	20.732	257	48.14	22	31.344	187	78.51	45
Apr. 9	32.319	199	61.70	94	35.702	154	10.77	2	20.475	230	47.92	52	31.157	169	78.06	77
19	32.120	172	60.76	132	35.548	126	10.79	2	20.245	192	47.40	80	30.988	144	77.29	107
29	31.948	139	59.44	168	35.422	90	10.77	3	20.053	144	46.60	103	30.844	113	76.22	136
Mai 9	31.809	101	57.76	199	35.332	51	10.74	4	19.909	89	45.57	122	30.731	76	74.86	162
19	31.708	59	55.77	227	35.281	7	10.70	2	19.820	29	44.35	134	30.655	37	73.24	185
29	31.649	15	53.50	250	35.274	36	10.68	0	19.791	32	43.01	143	30.618	4	71.39	204
Juni 8	31.634	30	51.00	266	35.310	79	10.68	4	19.823	94	41.58	146	30.622	45	69.35	218
18	31.664	73	48.34	276	35.389	121	10.72	8	19.917	152	40.12	146	30.667	84	67.17	228
28	31.737	114	45.58	278	35.510	160	10.80	12	20.069	207	38.66	140	30.751	122	64.89	230
Juli 8	31.851	154	42.80	274	35.670	195	10.92	15	20.276	258	37.26	132	30.873	157	62.59	224
18	32.005	189	40.06	260	35.865	225	11.07	17	20.534	302	35.94	120	31.030	188	60.35	217
28	32.194	221	37.46	239	36.090	251	11.24	18	20.836	340	34.74	107	31.218	216	58.18	198
Aug. 7	32.415	249	35.07	209	36.341	274	11.42	16	21.176	374	33.67	93	31.434	240	56.20	174
17	32.664	272	32.98	173	36.615	292	11.58	13	21.550	400	32.74	76	31.674	260	54.46	144
27	32.936	290	31.25	130	36.907	305	11.71	9	21.950	422	31.98	59	31.934	276	53.02	108
Sept. 6	33.226	304	29.95	81	37.212	316	11.80	2	22.372	437	31.39	41	32.210	287	51.94	66
16	33.530	313	29.14	29	37.528	323	11.82	6	22.809	447	30.98	22	32.497	296	51.28	23
26	33.843	316	28.85	26	37.851	327	11.76	13	23.256	452	30.76	2	32.793	299	51.05	24
Okt. 6	34.159	314	29.11	80	38.178	326	11.63	19	23.708	451	30.74	18	33.092	297	51.29	69
16	34.473	305	29.91	131	38.504	321	11.44	25	24.159	444	30.92	38	33.389	292	51.98	112
26	34.778	291	31.22	178	38.825	312	11.19	29	24.603	428	31.30	60	33.681	280	53.10	152
Nov. 5	35.069	269	33.00	219	39.137	297	10.90	29	25.031	405	31.90	82	33.961	262	54.62	185
15	35.338	241	35.19	252	39.434	274	10.61	27	25.436	372	32.72	103	34.223	239	56.47	211
25	35.579	205	37.71	274	39.708	246	10.34	23	25.808	331	33.75	123	34.462	208	58.58	229
Dez. 5	35.784	165	40.45	288	39.954	211	10.11	16	26.139	280	34.98	142	34.670	172	60.87	238
15	35.949	118	43.33	290	40.165	168	9.95	7	26.419	220	36.40	155	34.842	131	63.25	240
25	36.067	68	46.23	283	40.333	122	9.88	2	26.639	153	37.95	165	34.973	84	65.65	232
34	26 36.135		49.06		26 40.455		9.90		26 26.792		39.60		26 35.057		67.97	
Mittl. Ort	32.905		49.35		36.324		7.51		21.307		35.72		31.714		68.55	
sec δ, tg δ	1.155		−0.578		1.083		+0.415		1.534		+1.164		1.051		−0.323	

Tag	244) 8 Monocerotis AR.		244) Dekl.		245) α Argus AR.		245) Dekl.		246) 10 Monocerotis AR.		246) Dekl.		247) 8 Lyncis AR.		247) Dekl.	
1928	6h 19m		+4° 37′		6h 22m		−52° 38′		6h 24m		−4° 42′		6h 31m		+61° 32′	
Jan. 0	57.515 s	74	51.33″	101	22.932 s	17	80.44″	336	24.648 s	71	58.23″	157	7.97 s	14	50.11″	231
10	57.589	27	50.32	89	22.915	89	83.80	314	24.719	23	59.80	141	8.11	4	52.42	232
20	57.616	21	49.43	73	22.826	156	86.94	284	24.742	24	61.21	122	8.15	6	54.74	223
30	57.595	64	48.70	58	22.670	218	89.78	245	24.718	68	62.43	102	8.09	15	56.97	205
Feb. 9	57.531	104	48.12	43	22.452	270	92.23	201	24.650	107	63.45	79	7.94	23	59.02	180
19	57.427	136	47.69	27	22.182	311	94.24	153	24.543	138	64.24	56	7.71	29	60.82	147
29	57.291	158	47.42	14	21.871	341	95.77	102	24.405	162	64.80	33	7.42	34	62.29	108
März 10	57.133	171	47.28	1	21.530	358	96.79	50	24.243	174	65.13	11	7.08	37	63.37	66
20	56.962	172	47.29	13	21.172	361	97.29	3	24.069	177	65.24	12	6.71	39	64.03	22
30	56.790	165	47.42	26	20.811	351	97.26	54	23.892	169	65.12	33	6.32	37	64.25	22
Apr. 9	56.625	146	47.68	39	20.460	330	96.72	105	23.723	153	64.79	55	5.95	34	64.03	63
19	56.479	122	48.07	51	20.130	299	95.67	152	23.570	129	64.24	75	5.61	29	63.40	101
29	56.357	90	48.58	64	19.831	257	94.15	199	23.441	98	63.49	94	5.32	24	62.39	135
Mai 9	56.267	53	49.22	76	19.574	208	92.16	233	23.343	63	62.55	112	5.08	17	61.04	163
19	56.214	14	49.98	87	19.366	154	89.83	270	23.280	25	61.43	129	4.91	9	59.41	183
29	56.200	26	50.85	97	19.212	96	87.13	298	23.255	15	60.14	143	4.82	0	57.58	199
Juni 8	56.226	66	51.82	106	19.116	36	84.15	318	23.270	54	58.71	154	4.82	8	55.59	208
18	56.292	104	52.88	112	19.080	26	80.97	331	23.324	93	57.17	161	4.90	16	53.51	210
28	56.396	140	54.00	115	19.106	86	77.66	334	23.417	128	55.56	164	5.06	23	51.41	206
Juli 8	56.536	172	55.15	115	19.192	144	74.32	329	23.545	161	53.92	163	5.29	30	49.35	199
18	56.708	202	56.30	112	19.336	200	71.03	315	23.706	190	52.29	157	5.59	37	47.36	186
28	56.910	226	57.42	103	19.536	251	67.88	289	23.896	216	50.72	144	5.96	43	45.50	169
Aug. 7	57.136	247	58.45	91	19.787	295	64.99	255	24.112	238	49.28	126	6.39	47	43.81	149
17	57.383	265	59.36	74	20.082	335	62.44	213	24.350	256	48.02	105	6.86	51	42.32	127
27	57.648	278	60.10	54	20.417	367	60.31	162	24.606	271	46.97	77	7.37	55	41.05	101
Sept. 6	57.926	288	60.64	32	20.784	390	58.69	105	24.877	283	46.20	46	7.92	58	40.04	75
16	58.214	295	60.96	6	21.174	405	57.64	43	25.160	290	45.74	13	8.50	59	39.29	46
26	58.509	299	61.02	19	21.579	411	57.21	21	25.450	295	45.61	21	9.09	60	38.83	16
Okt. 6	58.808	299	60.83	44	21.990	407	57.42	85	25.745	295	45.82	56	9.69	60	38.67	15
16	59.107	294	60.39	68	22.397	392	58.27	147	26.040	290	46.38	87	10.29	60	38.82	47
26	59.401	285	59.71	87	22.789	367	59.74	204	26.330	281	47.25	117	10.89	57	39.29	79
Nov. 5	59.686	270	58.84	104	23.156	331	61.78	254	26.611	267	48.42	141	11.46	54	40.08	111
15	59.956	249	57.80	116	23.487	286	64.32	296	26.878	246	49.83	158	12.00	50	41.19	142
25	60.205	223	56.64	121	23.773	231	67.28	325	27.124	219	51.41	171	12.50	45	42.61	170
Dez. 5	60.428	189	55.43	122	24.004	168	70.53	344	27.343	185	53.12	175	12.95	37	44.31	195
15	60.617	151	54.21	119	24.172	101	73.97	351	27.528	146	54.87	173	13.32	29	46.26	213
25	60.768	106	53.02	109	24.273	29	77.48	346	27.674	103	56.60	165	13.61	21	48.39	226
34	[26]60.874		51.93		[27]24.302		80.94		[27]27.777		58.25		[29]13.82		50.65	
Mittl. Ort	57.190		50.46		21.139		80.94		24.253		59.05		6.88		48.10	
sec δ, tg δ	1.003		+0.081		1.648		−1.311		1.003		−0.083		2.099		+1.845	

Tag	249) ξ^2 Canis maj. AR.		Dekl.		251) γ Geminorum AR.		Dekl.	
1928	$6^h\ 32^m$		$-22°\ 54'$		$6^h\ 33^m$		$+16°\ 27'$	
	s		"		s		"	
Jan. 0	2.949	59	23.12	250	33.490	98	44.92	33
10	3.008	8	25.62	232	33.588	47	44.59	22
20	3.016	42	27.94	208	33.635	4	44.37	12
30	2.974	88	30.02	178	33.631	51	44.25	2
Feb. 9	2.886	129	31.80	146	33.580	94	44.23	5
19	2.757	162	33.26	110	33.486	130	44.28	11
29	2.595	186	34.36	73	33.356	155	44.39	14
März 10	2.409	201	35.09	36	33.201	171	44.53	16
20	2.208	205	35.45	2	33.030	176	44.69	17
30	2.003	199	35.43	39	32.854	169	44.86	18
Apr. 9	1.804	183	35.04	74	32.685	153	45.04	18
19	1.621	160	34.30	109	32.532	128	45.22	19
29	1.461	129	33.21	140	32.404	97	45.41	22
Mai 9	1.332	94	31.81	170	32.307	60	45.63	24
19	1.238	56	30.11	195	32.247	20	45.87	28
29	1.182	15	28.16	217	32.227	21	46.15	32
Juni 8	1.167	26	25.99	233	32.248	62	46.47	36
18	1.193	67	23.66	244	32.310	102	46.83	40
28	1.260	106	21.22	248	32.412	138	47.23	43
Juli 8	1.366	143	18.74	245	32.550	173	47.66	43
18	1.509	176	16.29	234	32.723	203	48.09	43
28	1.685	206	13.95	217	32.926	230	48.52	40
Aug. 7	1.891	232	11.78	192	33.156	252	48.92	34
17	2.123	255	9.86	160	33.408	272	49.26	26
27	2.378	274	8.26	121	33.680	286	49.52	15
Sept. 6	2.652	288	7.05	78	33.966	299	49.67	4
16	2.940	298	6.27	31	34.265	309	49.71	10
26	3.238	305	5.96	19	34.574	314	49.61	25
Okt. 6	3.543	305	6.15	68	34.888	316	49.36	37
16	3.848	301	6.83	116	35.204	314	48.99	48
26	4.149	290	7.99	159	35.518	307	48.51	58
Nov. 5	4.439	273	9.58	197	35.825	294	47.93	64
15	4.712	250	11.55	228	36.119	275	47.29	66
25	4.962	219	13.83	249	36.394	249	46.63	64
Dez. 5	5.181	182	16.32	262	36.643	216	45.99	59
15	5.363	139	18.94	265	36.859	176	45.40	51
25	5.502	93	21.59	259	37.035	131	44.89	42
34	^{29}5.595		24.18		^{30}37.166		44.47	
Mittl. Ort	2.299		24.23		33.198		43.71	
sec δ, tg δ	1.086		−0.423		1.043		+0.295	

Tag	250) 51 Aurigae AR.		Dekl.		248) 23 H. Camelop. AR.		Dekl.	
1928	$6^h\ 33^m$		$+39°\ 27'$		$6^h\ 33^m$		$+79°\ 38'$	
	s		"		s		"	
Jan. 0	40.704	117	22.99	109	62.96	23	49.75	307
10	40.821	54	24.08	116	63.19	2	52.82	303
20	40.875	7	25.24	116	63.17	26	55.85	289
30	40.868	67	26.40	111	62.91	50	58.74	264
Feb. 9	40.801	120	27.51	101	62.41	70	61.38	230
19	40.681	163	28.52	87	61.71	87	63.68	186
29	40.518	195	29.39	68	60.84	99	65.54	135
März 10	40.323	215	30.07	46	59.85	107	66.89	81
20	40.108	220	30.53	24	58.78	110	67.70	23
30	39.888	214	30.77	0	57.68	107	67.93	33
Apr. 9	39.674	194	30.77	23	56.61	101	67.60	87
19	39.480	163	30.54	43	55.60	90	66.73	136
29	39.317	125	30.11	60	54.70	74	65.37	181
Mai 9	39.192	79	29.51	75	53.96	58	63.56	217
19	39.113	30	28.76	83	53.38	38	61.39	246
29	39.083	20	27.93	91	53.00	18	58.93	267
Juni 8	39.103	72	27.02	95	52.82	3	56.26	279
18	39.175	121	26.07	95	52.85	25	53.47	284
28	39.296	168	25.12	92	53.10	45	50.63	281
Juli 8	39.464	210	24.20	87	53.55	65	47.82	270
18	39.674	248	23.33	82	54.20	82	45.12	254
28	39.922	282	22.51	75	55.02	99	42.58	232
Aug. 7	40.204	311	21.76	67	56.01	113	40.26	205
17	40.515	334	21.09	59	57.14	125	38.21	173
27	40.849	354	20.50	51	58.39	136	36.48	139
Sept. 6	41.203	369	19.99	42	59.75	143	35.09	100
16	41.572	380	19.57	33	61.18	148	34.09	59
26	41.952	387	19.24	23	62.66	151	33.50	17
Okt. 6	42.339	390	19.01	13	64.17	150	33.33	28
16	42.729	386	18.88	1	65.67	148	33.61	72
26	43.115	376	18.87	13	67.15	142	34.33	116
Nov. 5	43.491	361	19.00	28	68.57	131	35.49	159
15	43.852	336	19.28	43	69.88	120	37.08	199
25	44.188	304	19.71	60	71.08	104	39.07	235
Dez. 5	44.492	263	20.31	76	72.12	84	41.42	265
15	44.755	213	21.07	90	72.96	63	44.07	289
25	44.968	158	21.97	103	73.59	39	46.96	301
34	^{30}45.126		23.00		^{30}73.98		49.97	
Mittl. Ort	40.287		21.51		58.67		47.49	
sec δ, tg δ	1.295		+0.823		5.564		+5.474	

Tag	252) ν Argus				253) S Monocerotis				254) ε Geminorum				256) ξ Geminorum			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1928	6h 35m		−43° 7′		6h 36m		+9° 57′		6h 39m		+25° 12′		6h 41m		+12° 58′	
	s		″		s		″		s		″		s		″	
Jan. 0*)	°34.714	29	54.31	323	°61.126	96	50.50	74	30.540	111	15.40	20	[1] 15.250	102	29.60	58
10	34.743	32	57.54	304	61.222	46	49.76	62	30.651	57	15.60	30	15.352	52	29.02	45
20	34.711	92	60.58	276	61.268	3	49.14	48	30.708	3	15.90	38	15.404	2	28.57	32
30	34.619	147	63.34	241	61.265	49	48.66	35	30.711	48	16.28	43	15.406	45	28.25	21
Feb. 9	34.472	195	65.75	200	61.216	92	48.31	22	30.663	94	16.71	44	15.361	89	28.04	10
19	34.277	233	67.75	157	61.124	126	48.09	12	30.569	133	17.15	42	15.272	124	27.94	1
29	34.044	262	69.32	109	60.998	151	47.97	1	30.436	161	17.57	37	15.148	151	27.93	6
März 10	33.782	279	70.41	60	60.847	168	47.96	8	30.275	179	17.94	31	14.997	167	27.99	12
20	33.503	286	71.01	11	60.679	172	48.04	15	30.096	185	18.25	23	14.830	173	28.11	17
30	33.217	279	71.12	37	60.507	166	48.19	22	29.911	180	18.48	14	14.657	168	28.28	21
Apr. 9	32.938	262	70.75	85	60.341	151	48.41	29	29.731	163	18.62	6	14.489	153	28.49	24
19	32.676	237	69.90	130	60.190	128	48.70	37	29.568	139	18.68	2	14.336	131	28.73	29
29	32.439	203	68.60	172	60.062	98	49.07	44	29.429	105	18.66	7	14.205	100	29.02	34
Mai 9	32.236	163	66.88	211	59.964	63	49.51	51	29.324	67	18.59	12	14.105	66	29.36	38
19	32.073	117	64.77	244	59.901	24	50.02	59	29.257	26	18.47	15	14.039	27	29.74	44
29	31.956	69	62.33	272	59.877	15	50.61	66	29.231	17	18.32	15	14.012	13	30.18	49
Juni 8	31.887	19	59.61	294	59.892	55	51.27	72	29.248	61	18.17	14	14.025	53	30.67	54
18	31.868	31	56.67	307	59.947	93	51.99	77	29.309	103	18.03	13	14.078	91	31.21	57
28	31.899	81	53.60	313	60.040	129	52.76	79	29.412	142	17.90	11	14.169	128	31.78	60
Juli 8	31.980	128	50.47	310	60.169	163	53.55	79	29.554	178	17.79	9	14.297	162	32.38	61
18	32.108	174	47.37	299	60.332	192	54.34	77	29.732	211	17.70	8	14.459	192	32.99	58
28	32.282	215	44.38	277	60.524	219	55.11	71	29.943	239	17.62	8	14.651	218	33.57	53
Aug. 7	32.497	253	41.61	246	60.743	241	55.82	62	30.182	264	17.54	9	14.869	242	34.10	46
17	32.750	285	39.15	208	60.984	260	56.44	48	30.446	285	17.45	11	15.111	261	34.56	35
27	33.035	312	37.07	161	61.244	276	56.92	33	30.731	302	17.34	15	15.372	277	34.91	21
Sept. 6	33.347	334	35.46	107	61.520	288	57.25	15	31.033	315	17.19	18	15.649	291	35.12	6
16	33.681	349	34.39	50	61.808	298	57.40	4	31.348	326	17.01	24	15.940	301	35.18	11
26	34.030	356	33.89	10	62.106	304	57.36	26	31.674	333	16.77	29	16.241	308	35.07	28
Okt. 6	34.386	357	33.99	72	62.410	307	57.10	45	32.007	336	16.48	33	16.549	311	34.79	45
16	34.743	350	34.71	132	62.717	305	56.65	63	32.343	336	16.15	35	16.860	310	34.34	61
26	35.093	333	36.03	187	63.022	299	56.02	78	32.679	328	15.80	36	17.170	304	33.73	73
Nov. 5	35.426	308	37.90	236	63.321	286	55.24	90	33.007	316	15.44	34	17.474	293	33.00	81
15	35.734	275	40.26	276	63.607	268	54.34	98	33.323	296	15.10	28	17.767	275	32.19	87
25	36.009	233	43.02	306	63.875	243	53.36	100	33.619	270	14.82	20	18.042	250	31.32	87
Dez. 5	36.242	184	46.08	327	64.118	211	52.36	99	33.889	235	14.62	11	18.292	218	30.45	83
15	36.426	129	49.35	335	64.329	172	51.37	92	34.124	194	14.51	1	18.510	179	29.62	77
25	[20] 36.555	69	52.70	331	[31] 64.501	127	50.45	83	[31] 34.318	146	14.52	11	18.689	135	28.85	66
34	36.624		56.01		64.628		49.62		34.464		14.63		[32] 18.824		28.19	
Mittl. Ort	33.464		55.93		60.820		49.30		30.234		14.18		14.952		28.36	
sec δ, tg δ	1.370		−0.937		1.015		+0.176		1.105		+0.471		1.026		+0.230	

*) Bei Stern 254) und 256) lies Jan. 1

Tag	257) α Canis maj.[1]				258) 18 Monocerotis				262) α Pictoris				261) ϑ Geminorum			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1928	$6^h\ 41^m$		$-16°\ 36'$		$6^h\ 44^m$		$+2°\ 29'$		$6^h\ 47^m$		$-61°\ 51'$		$6^h\ 48^m$		$+34°\ 2'$	
Jan. 1	^{9}58.970	71	59.42	228	^{2}6.796	96	33.08	122	^{3}29.87	1	46.44	357	^{3}3.114	128	59.66	74
10	59.041	21	61.70	210	6.892	48	31.86	107	29.86	11	50.01	341	3.242	70	60.40	82
20	59.062	28	63.80	187	6.940	1	30.79	91	29.75	19	53.42	315	3.312	11	61.22	88
30	59.034	73	65.67	161	6.939	47	29.88	73	29.56	28	56.57	280	3.323	45	62.10	89
Feb. 9	58.961	114	67.28	131	6.892	89	29.15	56	29.28	34	59.37	240	3.278	96	62.99	85
19	58.847	147	68.59	99	6.803	124	28.59	37	28.94	40	61.77	193	3.182	140	63.84	77
29	58.700	173	69.58	67	6.679	149	28.22	21	28.54	44	63.70	143	3.042	173	64.61	65
März 10	58.527	187	70.25	33	6.530	166	28.01	5	28.10	47	65.13	90	2.869	194	65.26	49
20	58.340	192	70.58	1	6.364	171	27.96	11	27.63	49	66.03	37	2.675	202	65.75	32
30	58.148	187	70.59	31	6.193	167	28.07	26	27.14	48	66.40	16	2.473	198	66.07	14
Apr. 9	57.961	172	70.28	62	6.026	154	28.33	39	26.66	46	66.24	70	2.275	183	66.21	4
19	57.789	150	69.66	91	5.872	132	28.72	53	26.20	43	65.54	120	2.092	156	66.17	20
29	57.639	121	68.75	119	5.740	103	29.25	67	25.77	39	64.34	168	1.936	123	65.97	34
Mai 9	57.518	87	67.56	145	5.637	70	29.92	80	25.38	33	62.66	212	1.813	83	65.63	46
19	57.431	49	66.11	167	5.567	34	30.72	91	25.05	27	60.54	251	1.730	38	65.17	55
29	57.382	10	64.44	186	5.533	5	31.63	102	24.78	21	58.03	285	1.692	8	64.62	62
Juni 8	57.372	30	62.58	200	5.538	44	32.65	110	24.57	13	55.18	310	1.700	55	64.00	65
18	57.402	68	60.58	210	5.582	80	33.75	116	24.44	5	52.08	329	1.755	101	63.35	66
28	57.470	105	58.48	214	5.662	116	34.91	120	24.39	2	48.79	338	1.856	144	62.69	66
Juli 8	57.575	141	56.34	211	5.778	149	36.11	118	24.41	10	45.41	338	2.000	183	62.03	64
18	57.716	172	54.23	202	5.927	179	37.29	114	24.51	17	42.03	329	2.183	220	61.39	62
28	57.888	201	52.21	187	6.106	206	38.43	106	24.68	24	38.74	309	2.403	251	60.77	58
Aug. 7	58.089	226	50.34	165	6.312	229	39.49	92	24.92	31	35.65	279	2.654	280	60.19	55
17	58.315	247	48.69	136	6.541	249	40.41	75	25.23	37	32.86	241	2.934	304	59.64	52
27	58.562	266	47.33	101	6.790	265	41.16	53	25.60	42	30.45	192	3.238	323	59.12	49
Sept. 6	58.828	280	46.32	62	7.055	279	41.69	29	26.02	46	28.53	137	3.561	340	58.63	46
16	59.108	290	45.70	19	7.334	290	41.98	2	26.48	49	27.16	75	3.901	352	58.17	43
26	59.398	297	45.51	25	7.624	297	42.00	25	26.97	50	26.41	11	4.253	362	57.74	38
Okt. 6	59.695	299	45.76	70	7.921	300	41.75	53	27.47	51	26.30	56	4.615	366	57.36	33
16	59.994	296	46.46	112	8.221	300	41.22	79	27.98	50	26.86	121	4.981	366	57.03	27
26	60.290	288	47.58	152	8.521	294	40.43	102	28.48	47	28.07	182	5.347	361	56.76	18
Nov. 5	60.578	273	49.10	185	8.815	282	39.41	120	28.95	42	29.89	238	5.708	348	56.58	7
15	60.851	252	50.95	212	9.097	265	38.21	133	29.37	37	32.27	286	6.056	328	56.51	6
25	61.103	224	53.07	231	9.362	241	36.88	141	29.74	31	35.13	322	6.384	299	56.57	20
Dez. 5	61.327	189	55.38	241	9.603	209	35.47	142	30.05	22	38.35	348	6.683	263	56.77	36
15	61.516	148	57.79	244	9.812	171	34.05	139	30.27	13	41.83	362	6.946	219	57.13	50
25	61.664	104	60.23	237	9.983	128	32.66	131	30.40	5	45.45	363	7.165	167	57.63	64
34	^{32}61.768		62.60		^{32}10.111		31.35		^{33}30.45		49.08		^{33}7.332		58.27	
Mittl. Ort	58.431		60.80		6.456		31.70		27.23		49.67		2.751		58.60	
sec δ, tg δ	1.044		−0.298		1.001		+0.044		2.121		−1.870		1.207		+0.676	

[1]) Ort des Hauptsterns; die jährliche Parallaxe (0.″38) ist bereits berücksichtigt.

Tag	266) ϑ Canis maj. AR.	Δ	266) ϑ Canis maj. Dekl.	Δ	265) 15 Lyncis AR.	Δ	265) 15 Lyncis Dekl.	Δ	268) ε Canis maj. AR.	Δ	268) ε Canis maj. Dekl.	Δ	269) ζ Geminorum AR.	Δ	269) ζ Geminorum Dekl.	Δ
1928	$6^h\ 50^m$		$-11^\circ\ 56'$		$6^h\ 51^m$		$+58^\circ\ 30'$		$6^h\ 55^m$		$-28^\circ\ 52'$		$6^h\ 59^m$		$+20^\circ\ 40'$	
Jan. 1	51.158	89	48.38	204	3.816	172	70.31	213	5 48.488	76	20.46	284	6 50.706	127	39.66	15
10	+51.247	40	50.42	189	+3.988	82	72.44	218	48.564	24	23.30	268	50.833	76	39.51	1
20	51.287	8	52.31	168	4.070	8	74.62	215	48.588	30	25.98	245	50.909	23	39.50	11
30	51.279	55	53.99	144	4.062	96	76.77	204	48.558	81	28.43	216	50.932	29	39.61	20
Feb. 9	51.224	97	55.43	118	3.966	174	78.81	185	48.477	125	30.59	181	50.903	75	39.81	26
19	51.127	132	56.61	89	3.792	241	80.66	157	48.352	162	32.40	144	50.828	115	40.07	31
29	50.995	159	57.50	60	3.551	292	82.23	124	48.190	191	33.84	104	50.713	147	40.38	33
März 10	50.836	176	58.10	32	3.259	326	83.47	85	47.999	210	34.88	64	50.566	166	40.71	31
20	50.660	182	58.42	3	2.933	341	84.32	45	47.789	219	35.52	23	50.400	176	41.02	28
30	50.478	180	58.45	26	2.592	338	84.77	4	47.570	216	35.75	19	50.224	174	41.30	24
Apr. 9	50.298	167	58.19	52	2.254	315	84.81	37	47.354	204	35.56	59	50.050	163	41.54	20
19	50.131	146	57.67	79	1.939	278	84.44	75	47.150	185	34.97	97	49.887	141	41.74	16
29	49.985	120	56.88	103	1.661	229	83.69	109	46.965	157	34.00	134	49.746	113	41.90	12
Mai 9	49.865	88	55.85	127	1.432	168	82.60	138	46.808	124	32.66	167	49.633	78	42.02	10
19	49.777	52	54.58	147	1.264	100	81.22	161	46.684	87	30.99	197	49.555	40	42.12	9
29	49.725	15	53.11	165	1.164	30	79.61	180	46.597	47	29.02	222	49.515	1	42.21	8
Juni 8	49.710	24	51.46	178	1.134	44	77.81	192	46.550	6	26.80	243	49.514	40	42.29	9
18	49.734	61	49.68	188	1.178	116	75.89	198	46.544	36	24.37	256	49.554	80	42.38	9
28	49.795	98	47.80	193	1.294	186	73.91	199	46.580	76	21.81	264	49.634	118	42.47	9
Juli 8	49.893	131	45.87	192	1.480	251	71.92	195	46.656	115	19.17	264	49.752	152	42.56	9
18	50.024	163	43.95	184	1.731	311	69.97	187	46.771	151	16.53	255	49.904	185	42.65	7
28	50.187	191	42.11	172	2.042	365	68.10	176	46.922	185	13.98	239	50.089	214	42.72	5
Aug. 7	50.378	217	40.39	153	2.407	412	66.34	160	47.107	216	11.59	215	50.303	239	42.77	0
17	50.595	239	38.86	127	2.819	454	64.74	141	47.323	243	9.44	183	50.542	261	42.77	6
27	50.834	257	37.59	96	3.273	488	63.33	121	47.566	267	7.61	143	50.803	281	42.71	14
Sept. 6	51.091	273	36.63	61	3.761	516	62.12	98	47.833	286	6.18	98	51.084	297	42.57	23
16	51.364	285	36.02	22	4.277	537	61.14	73	48.119	302	5.20	49	51.381	309	42.34	33
26	51.649	294	35.80	18	4.814	551	60.41	46	48.421	312	4.71	5	51.690	320	42.01	43
Okt. 6	51.943	299	35.98	59	5.365	557	59.95	17	48.733	318	4.76	58	52.010	326	41.58	51
16	52.242	298	36.57	99	5.922	556	59.78	13	49.051	317	5.34	110	52.336	329	41.07	59
26	52.540	292	37.56	134	6.478	545	59.91	44	49.368	309	6.44	160	52.665	326	40.48	63
Nov. 5	52.832	281	38.90	166	7.023	522	60.35	75	49.677	294	8.04	204	52.991	316	39.85	65
15	53.113	262	40.56	190	7.545	487	61.10	107	49.971	273	10.08	239	53.307	301	39.20	63
25	53.375	237	42.46	208	8.032	441	62.17	137	50.244	242	12.47	268	53.608	277	38.57	57
Dez. 5	53.612	204	44.54	217	8.473	382	63.54	164	50.486	205	15.15	285	53.885	246	38.00	49
15	53.816	166	46.71	219	8.855	311	65.18	187	50.691	160	18.00	293	54.131	207	37.51	37
25	34 53.982	121	48.90	213	34 9.166	231	67.05	204	50.851	111	20.93	292	54.338	162	37.14	24
34*)	54.103		51.03		9.397		69.09		35 50.962		23.85		54.500		36.90	
Mittl. Ort	50.689		50.30		2.877		69.34		47.724		23.27		50.412		38.54	
sec δ, tg δ	1.022		−0.212		1.915		+1.633		1.142		−0.551		1.069		+0.377	

*) Bei Stern 268) und 269) lies Dez. 35

Scheinbare Sternörter 1928

Tag	271) γ Canis maj. AR.		271) Dekl.		273) δ Canis maj. AR.		273) Dekl.		274) 63 Aurigae AR.		274) Dekl.		277) λ Geminorum AR.		277) Dekl.	
1928	7h 0m		−15° 31′		7h 5m		−26° 16′		7h 6m		+39° 26′		7h 13m		+16° 40′	
Jan. 1	30.606	96	30.51	226	28.477	90	37.15	277	42.814	159	23.25	101	57.683	138	18.91	45
10	30.702	46	32.77	210	28.567	38	39.92	262	42.973	96	24.26	113	57.821	88	18.46	29
20	30.748	4	34.87	190	28.605	15	42.54	240	43.069	32	25.39	119	57.909	35	18.17	15
30	30.744	51	36.77	165	28.590	66	44.94	212	43.101	30	26.58	121	57.944	16	18.02	3
Feb. 9	30.693	95	38.42	136	28.524	110	47.06	179	43.071	87	27.79	116	57.928	63	17.99	8
19	30.598	131	39.78	106	28.414	149	48.85	144	42.984	136	28.95	106	57.865	104	18.07	17
29	30.467	159	40.84	75	28.265	179	50.29	107	42.848	175	30.01	91	57.761	135	18.24	23
März 10	30.308	177	41.59	43	28.086	199	51.36	67	42.673	202	30.92	72	57.626	158	18.47	26
20	30.131	186	42.02	12	27.887	208	52.03	28	42.471	214	31.64	49	57.468	170	18.73	28
30	29.945	185	42.14	19	27.679	208	52.31	11	42.257	215	32.13	26	57.298	170	19.01	28
Apr. 9	29.760	174	41.95	50	27.471	198	52.20	50	42.042	202	32.39	3	57.128	160	19.29	27
19	29.586	154	41.45	79	27.273	180	51.70	87	41.840	179	32.42	20	56.968	143	19.56	27
29	29.432	129	40.66	107	27.093	154	50.83	122	41.661	147	32.22	41	56.825	116	19.83	26
Mai 9	29.303	99	39.59	132	26.939	123	49.61	154	41.514	106	31.81	59	56.709	86	20.09	27
19	29.204	63	38.27	154	26.816	88	48.07	183	41.408	61	31.22	74	56.623	50	20.36	26
29	29.141	27	36.73	174	26.728	49	46.24	209	41.347	14	30.48	85	56.573	12	20.62	28
Juni 8	29.114	11	34.99	190	26.679	9	44.15	228	41.333	35	29.63	94	56.561	26	20.90	28
18	29.125	49	33.09	201	26.670	29	41.87	243	41.368	83	28.69	99	56.587	64	21.18	29
28	29.174	86	31.08	206	26.699	69	39.44	250	41.451	129	27.70	102	56.651	101	21.47	29
Juli 8	29.260	120	29.02	207	26.768	107	36.94	252	41.580	172	26.68	103	56.752	134	21.76	27
18	29.380	152	26.95	200	26.875	143	34.42	244	41.752	212	25.65	101	56.886	167	22.03	25
28	29.532	182	24.95	186	27.018	176	31.98	230	41.964	248	24.64	98	57.053	196	22.28	20
Aug. 7	29.714	209	23.09	166	27.194	206	29.68	208	42.212	280	23.66	95	57.249	221	22.48	12
17	29.923	233	21.43	140	27.400	233	27.60	177	42.492	308	22.71	89	57.470	244	22.60	3
27	30.156	253	20.03	108	27.633	257	25.83	140	42.800	332	21.82	84	57.714	265	22.63	8
Sept. 6	30.409	271	18.95	71	27.890	278	24.43	97	43.132	353	20.98	77	57.979	282	22.55	21
16	30.680	284	18.24	29	28.168	295	23.46	50	43.485	369	20.21	69	58.261	297	22.34	35
26	30.964	295	17.95	14	28.463	306	22.96	2	43.854	383	19.52	61	58.558	310	21.99	48
Okt. 6	31.259	301	18.09	58	28.769	313	22.98	54	44.237	391	18.91	51	58.868	318	21.51	62
16	31.560	303	18.67	100	29.082	315	23.52	105	44.628	394	18.40	38	59.186	322	20.89	73
26	31.863	297	19.67	140	29.397	309	24.57	152	45.022	392	18.02	23	59.508	322	20.16	83
Nov. 5	32.160	287	21.07	174	29.706	297	26.09	196	45.414	382	17.79	6	59.830	316	19.33	87
15	32.447	270	22.81	202	30.003	278	28.05	231	45.796	364	17.73	12	60.146	301	18.46	88
25	32.717	244	24.83	223	30.281	250	30.36	258	46.160	335	17.85	32	60.447	281	17.58	86
Dez. 5	32.961	211	27.06	234	30.531	214	32.94	277	46.495	298	18.17	52	60.728	251	16.72	78
15	33.172	173	29.40	238	30.745	172	35.71	285	46.793	252	18.69	72	60.979	215	15.94	68
25	33.345	128	31.78	235	30.917	124	38.56	283	47.045	199	19.41	90	61.194	172	15.26	55
35	33.473		34.13		31.041		41.39		47.244		20.31		61.366		14.71	
Mittl. Ort	30.097		33.02		27.784		40.48		42.393		22.77		57.401		17.67	
sec δ, tg δ	1.038		−0.278		1.115		−0.494		1.295		+0.823		1.044		+0.300	

Tag	278) π Argus				279) δ Geminorum				281) δ Volantis				280) 19 Lyncis sq.			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1928	$7^h\ 14^m$		$-36°\ 57'$		$7^h\ 15^m$		$+22°\ 6'$		$7^h\ 16^m$		$-67°\ 49'$		$7^h\ 16^m$		$+55°\ 24'$	
Jan. 1	$_{10}$36.903	89	57.92	319	$_{10}$49.802	146	59.98	11	$_{10}$55.87	2	25.45	369	$_{10}$60.805	209	67.98	188
10	36.992	31	61.11	306	49.948	94	59.87	4	55.89	9	29.14	361	61.014	125	69.86	201
20	37.023	28	64.17	285	50.042	39	59.91	17	55.80	19	32.75	342	61.139	41	71.87	205
30	36.995	83	67.02	256	50.081	14	60.08	28	55.61	31	36.17	314	61.180	42	73.92	201
Feb. 9	36.912	132	69.58	221	50.067	62	60.36	36	55.30	40	39.31	278	61.138	120	75.93	188
19	36.780	175	71.79	182	50.005	105	60.72	41	54.90	47	42.09	236	61.018	187	77.81	169
29	36.605	209	73.61	140	49.900	138	61.13	41	54.43	53	44.45	189	60.831	242	79.50	141
März 10	36.396	231	75.01	96	49.762	162	61.54	40	53.90	58	46.34	140	60.589	280	80.91	108
20	36.165	244	75.97	50	49.600	174	61.94	35	53.32	61	47.74	87	60.309	301	81.99	72
30	35.921	246	76.47	5	49.426	175	62.29	31	52.71	61	48.61	33	60.008	306	82.71	34
Apr. 9	35.675	237	76.52	41	49.251	166	62.60	24	52.10	60	48.94	20	59.702	294	83.05	5
19	35.438	219	76.11	84	49.085	148	62.84	18	51.50	58	48.74	73	59.408	266	83.00	43
29	35.219	194	75.27	125	48.937	121	63.02	12	50.92	54	48.01	124	59.142	227	82.57	78
Mai 9	35.025	162	74.02	164	48.816	89	63.14	8	50.38	48	46.77	172	58.915	177	81.79	108
19	34.863	125	72.38	200	48.727	52	63.22	4	49.90	42	45.05	215	58.738	120	80.71	135
29	34.738	85	70.38	229	48.675	14	63.26	1	49.48	34	42.90	254	58.618	57	79.36	157
Juni 8	34.653	43	68.09	254	48.661	26	63.27	1	49.14	26	40.36	286	58.561	7	77.79	173
18	34.610	0	65.55	273	48.687	66	63.26	2	48.88	17	37.50	311	58.568	73	76.06	183
28	34.610	45	62.82	284	48.753	103	63.24	4	48.71	7	34.39	327	58.641	135	74.23	190
Juli 8	34.655	87	59.98	286	48.856	138	63.20	5	48.64	2	31.12	335	58.776	195	72.33	192
18	34.742	128	57.12	281	48.994	172	63.15	8	48.66	12	27.77	333	58.971	252	70.41	189
28	34.870	168	54.31	267	49.166	202	63.07	11	48.78	21	24.44	320	59.223	303	68.52	182
Aug. 7	35.038	204	51.64	243	49.368	228	62.96	16	48.99	30	21.24	296	59.526	349	66.70	173
17	35.242	237	49.21	212	49.596	252	62.80	22	49.29	38	18.28	264	59.875	391	64.97	160
27	35.479	267	47.09	172	49.848	273	62.58	30	49.67	46	15.64	222	60.266	427	63.37	144
Sept. 6	35.746	293	45.37	125	50.121	292	62.28	38	50.13	52	13.42	170	60.693	458	61.93	126
16	36.039	313	44.12	72	50.413	307	61.90	47	50.65	57	11.72	112	61.151	483	60.67	105
26	36.352	329	43.40	15	50.720	320	61.43	55	51.22	60	10.60	49	61.634	503	59.62	82
Okt. 6	36.681	338	43.25	43	51.040	329	60.88	63	51.82	62	10.11	18	62.137	516	58.80	57
16	37.019	341	43.68	100	51.369	333	60.25	69	52.44	61	10.29	84	62.653	521	58.23	29
26	37.360	335	44.68	156	51.702	334	59.56	72	53.05	59	11.13	149	63.174	518	57.94	0
Nov. 5	37.695	321	46.24	206	52.036	328	58.84	72	53.64	55	12.62	208	63.692	505	57.94	32
15	38.016	298	48.30	249	52.364	314	58.12	67	54.19	49	14.70	262	64.197	479	58.26	64
25	38.314	266	50.79	283	52.678	292	57.45	60	54.68	41	17.32	306	64.676	443	58.90	95
Dez. 5	38.580	227	53.62	308	52.970	262	56.85	50	55.09	32	20.38	339	65.119	394	59.85	126
15	38.807	180	56.70	321	53.232	225	56.35	36	55.41	21	23.77	361	65.513	333	61.11	153
25	38.987	126	59.91	324	53.457	180	55.99	22	55.62	10	27.38	371	65.846	262	62.64	175
35	39.113		63.15		53.637		55.77		55.72		31.09		66.108		64.39	
Mittl. Ort	35.943		62.53		49.515		59.03		52.40		32.02		59.999		68.25	
sec δ, tg δ	1.252		−0.753		1.079		+0.406		2.650		−2.454		1.762		+1.451	

Scheinbare Sternörter 1928

Tag	282) ι Geminorum AR.		282) ι Geminorum Dekl.		285) β Canis min. AR.		285) β Canis min. Dekl.		284) Grb 1308 AR.		284) Grb 1308 Dekl.		286) ρ Geminorum AR.		286) ρ Geminorum Dekl.	
1928	7h 21m		+27° 56′		7h 23m		+8° 26′		7h 23m		+68° 36′		7h 24m		+31° 55′	
Jan. 1	15.778	159	34.23	24	15.135	140	10.27	99	25.99	29	53.66	250	29.338	168	45.76	48
11	12 15.937	104	34.47	39	12 15.275	90	9.28	83	12 26.28	17	56.16	262	12 29.506	111	46.24	64
20	16.041	47	34.86	52	15.365	39	8.45	67	26.45	4	58.78	265	29.617	53	46.88	76
30	16.088	9	35.38	60	15.404	10	7.78	50	26.49	9	61.43	257	29.670	6	47.64	84
Feb. 9	16.079	61	35.98	65	15.394	56	7.28	33	26.40	20	64.00	238	29.664	60	48.48	86
19	16.018	105	36.63	66	15.338	96	6.95	18	26.20	31	66.38	212	29.604	107	49.34	85
29	15.913	142	37.29	63	15.242	129	6.77	5	25.89	39	68.50	176	29.497	146	50.19	78
März 10	15.771	168	37.92	56	15.113	151	6.72	6	25.50	45	70.26	133	29.351	172	50.97	68
20	15.603	181	38.48	46	14.962	163	6.78	17	25.05	49	71.59	87	29.179	188	51.65	54
30	15.422	184	38.94	35	14.799	166	6.95	26	24.56	51	72.46	38	28.991	191	52.19	38
Apr. 9	15.238	175	39.29	22	14.633	157	7.21	33	24.05	49	72.84	12	28.800	183	52.57	22
19	15.063	157	39.51	10	14.476	142	7.54	40	23.56	45	72.72	59	28.617	165	52.79	6
29	14.906	131	39.61	1	14.334	118	7.94	47	23.11	40	72.13	104	28.452	138	52.85	9
Mai 9	14.775	97	39.60	12	14.216	90	8.41	54	22.71	33	71.09	143	28.314	104	52.76	24
19	14.678	60	39.48	20	14.126	57	8.95	60	22.38	24	69.66	178	28.210	66	52.52	35
29	14.618	20	39.28	27	14.069	22	9.55	65	22.14	15	67.88	206	28.144	24	52.17	44
Juni 8	14.598	22	39.01	33	14.047	15	10.20	70	21.99	5	65.82	228	28.120	19	51.73	53
18	14.620	62	38.68	36	14.062	51	10.90	73	21.94	5	63.54	243	28.139	61	51.20	59
28	14.682	102	38.32	39	14.113	85	11.63	74	21.99	15	61.11	252	28.200	102	50.61	62
Juli 8	14.784	140	37.93	42	14.198	119	12.37	72	22.14	24	58.59	253	28.302	141	49.99	66
18	14.924	174	37.51	44	14.317	149	13.09	68	22.38	33	56.06	250	28.443	178	49.33	67
28	15.098	206	37.07	46	14.466	178	13.77	61	22.71	42	53.56	241	28.621	211	48.66	69
Aug. 7	15.304	234	36.61	49	14.644	204	14.38	50	23.13	50	51.15	227	28.832	240	47.97	71
17	15.538	259	36.12	52	14.848	227	14.88	37	23.63	57	48.88	208	29.072	268	47.26	71
27	15.797	283	35.60	55	15.075	248	15.25	20	24.20	62	46.80	185	29.340	292	46.55	72
Sept. 6	16.080	303	35.05	60	15.323	266	15.45	0	24.82	67	44.95	159	29.632	313	45.83	74
16	16.383	319	34.45	63	15.589	282	15.45	22	25.49	72	43.36	130	29.945	331	45.09	73
26	16.702	333	33.82	66	15.871	296	15.23	44	26.21	75	42.06	96	30.276	346	44.36	73
Okt. 6	17.035	344	33.16	68	16.167	306	14.79	65	26.96	77	41.10	60	30.622	357	43.63	70
16	17.379	350	32.48	68	16.473	311	14.14	85	27.73	78	40.50	22	30.979	364	42.93	66
26	17.729	351	31.80	64	16.784	312	13.29	102	28.51	78	40.28	18	31.343	365	42.27	58
Nov. 5	18.080	344	31.16	58	17.096	308	12.27	116	29.29	75	40.46	60	31.708	359	41.69	48
15	18.424	331	30.58	49	17.404	295	11.11	125	30.04	71	41.06	101	32.067	346	41.21	35
25	18.755	310	30.09	36	17.699	275	9.86	128	30.75	65	42.07	140	32.413	324	40.86	19
Dez. 5	19.065	279	29.73	21	17.974	249	8.58	126	31.40	58	43.47	178	32.737	293	40.67	1
15	19.344	241	29.52	5	18.223	213	7.32	120	31.98	48	45.25	211	33.030	252	40.66	17
25	19.585	193	29.47	12	18.436	171	6.12	109	32.46	37	47.36	235	33.282	205	40.83	35
35	19.778		29.59		18.607		5.03		32.83		49.71		33.487		41.18	
Mittl. Ort	15.471		33.65		14.849		8.47		24.29		54.43		29.006		45.45	
sec δ, tg δ	1.132		+0.530		1.011		+0.148		2.742		+2.554		1.178		+0.623	

Tag	287) α Geminorum [1]				289) 25 Monocerotis				291) α Canis min. [2]				292) 24 Lyncis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1928	$7^h\ 29^m$		+32° 2′		$7^h\ 33^m$		−3° 56′		$7^h\ 35^m$		+5° 24′		$7^h\ 36^m$		+58° 52′	
Jan. 1	60.780	174	54.26	46	42.281	138	53.55	175	32.370	144	41.34	123	56.472	258	49.35	198
11	14 60.954	117	54.72	63	15 42.419	90	55.30	160	15 32.514	95	40.11	108	16 56.730	167	51.33	214
20	61.071	58	55.35	75	42.509	40	56.90	142	32.609	44	39.03	89	56.897	75	53.47	222
30	61.129	1	56.10	84	42.549	9	58.32	120	32.653	5	38.14	71	56.972	17	55.69	221
Feb. 9	61.128	55	56.94	88	42.540	54	59.52	98	32.648	51	37.43	52	56.955	105	57.90	212
19	61.073	103	57.82	87	42.486	95	60.50	75	32.597	92	36.91	34	56.850	182	60.02	193
29	60.970	143	58.69	80	42.391	127	61.25	51	32.505	125	36.57	18	56.668	247	61.95	167
März 10	60.827	170	59.49	70	42.264	150	61.76	29	32.380	148	36.39	3	56.421	294	63.62	134
20	60.657	187	60.19	57	42.114	164	62.05	7	32.232	161	36.36	10	56.127	325	64.96	96
30	60.470	192	60.76	41	41.950	167	62.12	13	32.071	165	36.46	22	55.802	337	65.92	55
Apr. 9	60.278	184	61.17	25	41.783	162	61.99	34	31.906	159	36.68	32	55.465	330	66.47	13
19	60.094	167	61.42	8	41.621	149	61.65	52	31.747	144	37.00	43	55.135	308	66.60	28
29	59.927	141	61.50	8	41.472	127	61.13	70	31.603	123	37.43	51	54.827	271	66.32	68
Mai 9	59.786	108	61.42	22	41.345	100	60.43	87	31.480	95	37.94	59	54.556	222	65.64	103
19	59.678	71	61.20	34	41.245	70	59.56	102	31.385	63	38.53	68	54.334	164	64.61	135
29	59.607	30	60.86	45	41.175	37	58.54	116	31.322	30	39.21	74	54.170	101	63.26	162
Juni 8	59.577	12	60.41	54	41.138	3	57.38	126	31.292	5	39.95	79	54.069	33	61.64	183
18	59.589	55	59.87	60	41.135	32	56.12	134	31.297	41	40.74	82	54.036	37	59.81	199
28	59.644	96	59.27	65	41.167	66	54.78	138	31.338	75	41.56	84	54.073	105	57.82	209
Juli 8	59.740	135	58.62	69	41.233	99	53.40	139	31.413	107	42.40	82	54.178	171	55.73	215
18	59.875	171	57.93	71	41.332	129	52.01	134	31.520	138	43.22	78	54.349	234	53.58	216
28	60.046	205	57.22	74	41.461	159	50.67	124	31.658	167	44.00	69	54.583	293	51.42	211
Aug. 7	60.251	235	56.48	75	41.620	185	49.43	110	31.825	192	44.69	57	54.876	346	49.31	204
17	60.486	262	55.73	77	41.805	210	48.33	91	32.017	217	45.26	42	55.222	395	47.27	192
27	60.748	287	54.96	78	42.015	232	47.42	66	32.234	238	45.68	23	55.617	440	45.35	177
Sept. 6	61.035	310	54.18	79	42.247	253	46.76	39	32.472	258	45.91	1	56.057	477	43.58	159
16	61.345	328	53.39	79	42.500	270	46.37	6	32.730	275	45.92	23	56.534	510	41.99	137
26	61.673	344	52.60	79	42.770	286	46.31	26	33.005	290	45.69	48	57.044	537	40.62	112
Okt. 6	62.017	356	51.81	77	43.056	297	46.57	60	33.295	300	45.21	72	57.581	555	39.50	84
16	62.373	364	51.04	71	43.353	304	47.17	93	33.595	308	44.49	95	58.136	567	38.66	54
26	62.737	366	50.33	64	43.657	306	48.10	123	33.903	310	43.54	116	58.703	569	38.12	21
Nov. 5	63.103	361	49.69	54	43.963	302	49.33	148	34.213	306	42.38	133	59.272	559	37.91	14
15	63.464	349	49.15	40	44.265	290	50.81	169	34.519	295	41.05	143	59.831	537	38.05	50
25	63.813	327	48.75	24	44.555	272	52.50	182	34.814	277	39.62	150	60.368	502	38.55	87
Dez. 5	64.140	297	48.51	6	44.827	245	54.32	189	35.091	250	38.12	150	60.870	452	39.42	122
15	64.437	258	48.45	14	45.072	211	56.21	190	35.341	216	36.62	144	61.322	389	40.64	154
25	64.695	210	48.59	33	45.283	170	58.11	183	35.557	175	35.18	133	61.711	314	42.18	181
35	64.905		48.92		45.453		59.94		35.732		33.85		62.025		43.99	
Mittl. Ort	60.452		54.09		41.940		56.58		32.083		39.24		55.527		50.68	
sec δ, tg δ	1.180		+0.626		1.002		−0.069		1.004		+0.095		1.935		+1.657	

1) AR. der Mitte; Dekl. des folgenden helleren Sterns.

2) Ort des hellen Sterns; die jährliche Parallaxe (0.″33) ist bereits berücksichtigt.

Scheinbare Sternörter 1928

Tag	294) κ Geminorum AR.		294) κ Geminorum Dekl.		295) β Geminorum AR.		295) β Geminorum Dekl.	
1928	7h 40m		+24° 34′		7h 40m		+28° 11′	
Jan. 1	6.511	174	19.91	4	55.084	179	65.61	18
11	[16] 6.685	121	19.87	13	[17] 55.263	124	65.79	35
20	6.806	66	20.00	28	55.387	68	66.14	51
30	6.872	11	20.28	41	55.455	11	66.65	62
Feb. 9	6.883	41	20.69	51	55.466	43	67.27	70
19	6.842	88	21.20	56	55.423	91	67.97	73
29	6.754	124	21.76	58	55.332	130	68.70	72
März 10	6.630	153	22.34	55	55.202	158	69.42	65
20	6.477	170	22.89	49	55.044	176	70.07	57
30	6.307	175	23.38	42	54.868	183	70.64	45
Apr. 9	6.132	170	23.80	34	54.685	177	71.09	33
19	5.962	156	24.14	23	54.508	163	71.42	20
29	5.806	133	24.37	14	54.345	139	71.62	6
Mai 9	5.673	104	24.51	6	54.206	110	71.68	5
19	5.569	70	24.57	2	54.096	75	71.63	16
29	5.499	34	24.55	9	54.021	37	71.47	25
Juni 8	5.465	5	24.46	15	53.984	2	71.22	33
18	5.470	43	24.31	19	53.986	42	70.89	39
28	5.513	81	24.12	23	54.028	81	70.50	45
Juli 8	5.594	117	23.89	27	54.109	118	70.05	49
18	5.711	150	23.62	32	54.227	153	69.56	53
28	5.861	182	23.30	37	54.380	186	69.03	58
Aug. 7	6.043	211	22.93	42	54.566	215	68.45	62
17	6.254	237	22.51	49	54.781	242	67.83	66
27	6.491	261	22.02	55	55.023	267	67.17	71
Sept. 6	6.752	283	21.47	63	55.290	290	66.46	76
16	7.035	302	20.84	70	55.580	310	65.70	80
26	7.337	318	20.14	77	55.890	327	64.90	83
Okt. 6	7.655	332	19.37	83	56.217	340	64.07	85
16	7.987	341	18.54	86	56.557	350	63.22	85
26	8.328	345	17.68	86	56.907	354	62.37	81
Nov. 5	8.673	342	16.82	83	57.261	352	61.56	74
15	9.015	333	15.99	76	57.613	341	60.82	64
25	9.348	314	15.23	66	57.954	323	60.18	50
Dez. 5	9.662	287	14.57	52	58.277	295	59.68	34
15	9.949	252	14.05	36	58.572	259	59.34	16
25	10.201	208	13.69	18	58.831	213	59.18	4
35	10.409		13.51		59.044		59.22	
Mittl. Ort	6.239		19.38		54.795		65.38	
sec δ, tg δ	1.100		+0.457		1.135		+0.536	

Tag	297) ζ Volantis AR.		297) ζ Volantis Dekl.		296) π Geminorum AR.		296) π Geminorum Dekl.	
1928	7h 42m		−72° 25′		7h 42m		+33° 35′	
Jan. 1	47.24	8	50.95	372	52.436	191	37.67	50
11	[17] 47.32	6	54.67	371	[17] 52.627	134	38.17	69
20	47.26	19	58.38	358	52.761	74	38.86	83
30	47.07	33	61.96	337	52.835	14	39.69	94
Feb. 9	46.74	45	65.33	307	52.849	43	40.63	98
19	46.29	55	68.40	271	52.806	94	41.61	98
29	45.74	64	71.11	228	52.712	135	42.59	92
März 10	45.10	70	73.39	180	52.577	166	43.51	81
20	44.40	74	75.19	130	52.411	185	44.32	68
30	43.66	77	76.49	79	52.226	192	45.00	51
Apr. 9	42.89	77	77.28	25	52.034	188	45.51	32
19	42.12	75	77.53	29	51.846	173	45.83	14
29	41.37	71	77.24	82	51.673	149	45.97	4
Mai 9	40.66	66	76.42	132	51.524	118	45.93	21
19	40.00	60	75.10	178	51.406	82	45.72	37
29	39.40	51	73.32	222	51.324	42	45.35	49
Juni 8	38.89	41	71.10	259	51.282	0	44.86	60
18	38.48	31	68.51	289	51.282	42	44.26	69
28	38.17	20	65.62	312	51.324	83	43.57	76
Juli 8	37.97	8	62.50	326	51.407	122	42.81	81
18	37.89	4	59.24	330	51.529	160	42.00	85
28	37.93	16	55.94	325	51.689	194	41.15	89
Aug. 7	38.09	28	52.69	308	51.883	226	40.26	91
17	38.37	39	49.61	282	52.109	256	39.35	93
27	38.76	49	46.79	245	52.365	281	38.42	94
Sept. 6	39.25	59	44.34	199	52.646	306	37.48	95
16	39.84	66	42.35	145	52.952	327	36.53	94
26	40.50	71	40.90	84	53.279	345	35.59	92
Okt. 6	41.21	75	40.06	19	53.624	360	34.67	90
16	41.96	76	39.87	48	53.984	369	33.77	84
26	42.72	74	40.35	114	54.353	374	32.93	74
Nov. 5	43.46	70	41.49	177	54.727	372	32.19	62
15	44.16	64	43.26	234	55.099	362	31.57	46
25	44.80	55	45.60	283	55.461	342	31.11	28
Dez. 5	45.35	43	48.43	323	55.803	313	30.83	7
15	45.78	31	51.66	352	56.116	275	30.76	14
25	46.09	18	55.18	369	56.391	227	30.90	36
35	46.27		58.87		56.618		31.26	
Mittl. Ort	42.83		60.46		52.109		37.90	
sec δ, tg δ	3.313		−3.159		1.201		+0.664	

Tag	300) Grb 1374 AR.		300) Dekl.		303) χ Argus AR.		303) Dekl.		305) χ Geminorum AR.		305) Dekl.		306) ζ Argus AR.		306) Dekl.	
1928	7h 51m		+74° 6′		7h 54m		−52° 46′		7h 59m		+27° 59′		8h 1m		−39° 47′	
Jan. 1	39.23	45	44.15	258	58.500	131	69.32	364	6.252	199	51.05	8	4.065	145	49.97	336
11	39.68	29	46.73	277	(20) 58.631	57	72.96	361	6.451	145	51.13	28	4.210	85	53.33	332
20*)	(19) 39.97	13	49.50	286	58.688	18	76.57	348	(21) 6.596	89	51.41	46	(22) 4.295	24	56.65	317
30	40.10	5	52.36	284	58.670	90	80.05	326	6.685	31	51.87	61	4.319	36	59.82	294
Feb. 9	40.05	20	55.20	270	58.580	157	83.31	295	6.716	24	52.48	71	4.283	92	62.76	266
19	39.85	35	57.90	246	58.423	215	86.26	259	6.692	73	53.19	76	4.191	141	65.42	230
29	39.50	48	60.36	213	58.208	264	88.85	218	6.619	114	53.95	77	4.050	183	67.72	191
März 10	39.02	57	62.49	171	57.944	301	91.03	171	6.505	146	54.72	73	3.867	213	69.63	149
20	38.45	64	64.20	123	57.643	326	92.74	122	6.359	166	55.45	66	3.654	235	71.12	105
30	37.81	67	65.43	72	57.317	339	93.96	72	6.193	176	56.11	55	3.419	246	72.17	59
Apr. 9	37.14	68	66.15	19	56.978	339	94.68	21	6.017	175	56.66	42	3.173	246	72.76	12
19	36.46	65	66.34	34	56.639	329	94.89	30	5.842	164	57.08	29	2.927	237	72.88	33
29	35.81	59	66.00	84	56.310	309	94.59	80	5.678	144	57.37	16	2.690	220	72.55	77
Mai 9	35.22	52	65.16	131	56.001	280	93.79	127	5.534	117	57.53	3	2.470	196	71.78	120
19	34.70	42	63.85	172	55.721	244	92.52	172	5.417	85	57.56	10	2.274	167	70.58	159
29	34.28	31	62.13	208	55.477	202	90.80	213	5.332	50	57.46	21	2.107	132	68.99	195
Juni 8	33.97	19	60.05	237	55.275	154	88.67	248	5.282	12	57.25	30	1.975	94	67.04	225
18	33.78	6	57.68	259	55.121	103	86.19	276	5.270	26	56.95	39	1.881	54	64.79	251
28	33.72	7	55.09	273	55.018	49	83.43	297	5.296	63	56.56	46	1.827	12	62.28	268
Juli 8	33.79	20	52.36	282	54.969	7	80.46	310	5.359	100	56.10	52	1.815	30	59.60	279
18	33.99	33	49.54	284	54.976	63	77.36	314	5.459	135	55.58	58	1.845	73	56.81	282
28	34.32	44	46.70	279	55.039	119	74.22	308	5.594	167	55.00	65	1.918	114	53.99	275
Aug. 7	34.76	55	43.91	269	55.158	173	71.14	291	5.761	198	54.35	71	2.032	156	51.24	259
17	35.31	65	41.22	253	55.331	226	68.23	266	5.959	227	53.64	76	2.188	194	48.65	235
27	35.96	74	38.69	232	55.557	275	65.57	229	6.186	253	52.88	83	2.382	232	46.30	200
Sept. 6	36.70	82	36.37	206	55.832	319	63.28	184	6.439	277	52.05	89	2.614	266	44.30	157
16	37.52	89	34.31	176	56.151	358	61.44	132	6.716	300	51.16	93	2.880	296	42.73	109
26	38.41	95	32.55	141	56.509	389	60.12	73	7.016	320	50.23	98	3.176	322	41.64	54
Okt. 6	39.36	99	31.14	103	56.898	411	59.39	10	7.336	336	49.25	101	3.498	341	41.10	4
16	40.35	101	30.11	61	57.309	423	59.29	55	7.672	349	48.24	101	3.839	354	41.14	64
26	41.36	101	29.50	17	57.732	424	59.84	119	8.021	357	47.23	98	4.193	358	41.78	122
Nov. 5	42.37	100	29.33	30	58.156	412	61.03	180	8.378	357	46.25	91	4.551	353	43.00	177
15	43.37	96	29.63	77	58.568	389	62.83	234	8.735	351	45.34	80	4.904	339	44.77	227
25	44.33	89	30.40	123	58.957	352	65.17	282	9.086	335	44.54	65	5.243	313	47.04	269
Dez. 5	45.22	81	31.63	166	59.309	303	67.99	319	9.421	309	43.89	48	5.556	279	49.73	302
15	46.03	69	33.29	206	59.612	245	71.18	347	9.730	276	43.41	29	5.835	234	52.75	324
25	46.72	55	35.35	240	59.857	178	74.65	361	10.006	233	43.12	7	6.069	183	55.99	336
35	47.27		37.75		60.035		78.26		10.239		43.05		6.252		59.35	
Mittl. Ort	36.72		46.60		56.950		78.58		5.992		51.12		3.150		58.37	
sec δ, tg δ	3.653		+3.514		1.654		−1.317		1.133		+0.532		1.302		−0.833	

*) Bei Stern 305) und 306) lies Jan. 21

Tag	307) 27 Lyncis AR.		307) 27 Lyncis Dekl.		308) ι Navis AR.		308) ι Navis Dekl.		309) γ Argus AR.		309) γ Argus Dekl.		311) 20 Navis AR.		311) 20 Navis Dekl.	
1928	$8^h\ 3^m$		$+51°\ 42'$		$8^h\ 4^m$		$-24°\ 5'$		$8^h\ 7^m$		$-47°\ 7'$		$8^h\ 10^m$		$-15°\ 34'$	
Jan. 1	3.655	266	54.83	145	29.152	155	38.34	281	19.959	152	15.86	355	1.805	166	7.47	245
11	3.921	192	56.28	168	29.307	104	41.15	273	20.111	85	19.41	352	1.971	117	9.92	234
21	4.113	114	57.96	184	29.411	51	43.88	256	20.196	18	22.93	341	2.088	65	12.26	217
30	22 4.227	35	59.80	192	23 29.462	2	46.44	235	23 20.214	49	26.34	320	24 2.153	15	14.43	195
Feb. 9	4.262	42	61.72	191	29.460	52	48.79	206	20.165	111	29.54	292	2.168	34	16.38	170
19	4.220	111	63.63	183	29.408	96	50.85	176	20.054	165	32.46	257	2.134	78	18.08	141
29	4.109	171	65.46	166	29.312	133	52.61	141	19.889	211	35.03	217	2.056	114	19.49	111
März 10	3.938	216	67.12	143	29.179	161	54.02	106	19.678	247	37.20	173	1.942	142	20.60	81
20	3.722	248	68.55	113	29.018	180	55.08	70	19.431	272	38.93	127	1.800	161	21.41	50
30	3.474	265	69.68	81	28.838	190	55.78	33	19.159	285	40.20	79	1.639	171	21.91	19
Apr. 9	3.209	267	70.49	45	28.648	189	56.11	4	18.874	288	40.99	30	1.468	171	22.10	10
19	2.942	253	70.94	8	28.459	181	56.07	39	18.586	281	41.29	20	1.297	164	22.00	39
29	2.689	229	71.02	27	28.278	165	55.68	74	18.305	264	41.09	67	1.133	148	21.61	67
Mai 9	2.460	193	70.75	61	28.113	143	54.94	106	18.041	241	40.42	113	0.985	128	20.94	93
19	2.267	150	70.14	91	27.970	117	53.88	136	17.800	209	39.29	157	0.857	102	20.01	117
29	2.117	101	69.23	119	27.853	86	52.52	163	17.591	173	37.72	196	0.755	73	18.84	138
Juni 8	2.016	48	68.04	141	27.767	53	50.89	187	17.418	132	35.76	231	0.682	43	17.46	156
18	1.968	7	66.63	160	27.714	20	49.02	204	17.286	88	33.45	259	0.639	10	15.90	171
28	1.975	62	65.03	175	27.694	16	46.98	217	17.198	42	30.86	281	0.629	22	14.19	180
Juli 8	2.037	115	63.28	185	27.710	50	44.81	224	17.156	6	28.05	294	0.651	55	12.39	184
18	2.152	166	61.43	191	27.760	85	42.57	224	17.162	55	25.11	299	0.706	87	10.55	184
28	2.318	216	59.52	194	27.845	118	40.33	216	17.217	104	22.12	294	0.793	118	8.71	175
Aug. 7	2.534	261	57.58	192	27.963	150	38.17	200	17.321	151	19.18	281	0.911	148	6.96	161
17	2.795	304	55.66	189	28.113	182	36.17	178	17.472	197	16.37	256	1.059	177	5.35	140
27	3.099	343	53.77	181	28.295	211	34.39	148	17.669	242	13.81	223	1.236	204	3.95	113
Sept. 6	3.442	379	51.96	171	28.506	239	32.91	110	17.911	282	11.58	181	1.440	230	2.82	80
16	3.821	410	50.25	157	28.745	264	31.81	68	18.193	318	9.77	130	1.670	254	2.02	43
26	4.231	439	48.68	140	29.009	285	31.13	21	18.511	349	8.47	74	1.924	274	1.59	2
Okt. 6	4.670	461	47.28	120	29.294	303	30.92	28	18.860	371	7.73	13	2.198	293	1.57	42
16	5.131	477	46.08	97	29.597	315	31.20	78	19.231	387	7.60	49	2.491	306	1.99	85
26	5.608	487	45.11	70	29.912	322	31.98	126	19.618	392	8.09	112	2.797	314	2.84	126
Nov. 5	6.095	487	44.41	40	30.234	321	33.24	171	20.010	386	9.21	171	3.111	315	4.10	163
15	6.582	477	44.01	6	30.555	311	34.95	210	20.396	369	10.92	225	3.426	308	5.73	196
25	7.059	453	43.95	27	30.866	294	37.05	242	20.765	340	13.17	271	3.734	293	7.69	222
Dez. 5	7.512	419	44.22	61	31.160	266	39.47	265	21.105	301	15.88	309	4.027	269	9.91	239
15	7.931	370	44.83	95	31.426	231	42.12	280	21.406	251	18.97	336	4.296	236	12.30	249
25	8.301	312	45.78	126	31.657	187	44.92	284	21.657	193	22.33	352	4.532	196	14.79	250
35	8.613		47.04		31.844		47.76		21.850		25.85		4.728		17.29	
Mittl. Ort	3.031		57.05		28.634		44.98		18.783		25.59		1.429		13.20	
sec δ, tg δ	1.614		+1.267		1.095		−0.447		1.470		−1.077		1.038		−0.279	

Tag	310) Br 1147				312) β Cancri				314) 31 Lyncis				315) ε Argus			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1928	8ʰ 10ᵐ		+75° 58′		8ʰ 12ᵐ		+9° 24′		8ʰ 17ᵐ		+43° 25′		8ʰ 20ᵐ		−59° 16′	
Jan. 1	35.45	57	42.15	252	36.949	187	33.02	111	55.218	255	11.38	90	64.205	179	25.95	370
11	36.02	39	44.67	277	37.136	140	31.91	93	55.473	193	12.28	114	64.384	94	29.65	375
21	36.41	20	47.44	290	37.276	89	30.98	73	55.666	125	13.42	134	64.478	7	33.40	369
30	[24] 36.61	2	50.34	293	[25] 37.365	37	30.25	54	[26] 55.791	56	14.76	149	[27] 64.485	78	37.09	353
Feb. 9	36.63	17	53.27	284	37.402	13	29.71	34	55.847	10	16.25	155	64.407	157	40.62	328
19	36.46	34	56.11	263	37.389	57	29.37	18	55.837	72	17.80	154	64.250	228	43.90	297
29	36.12	49	58.74	232	37.332	95	29.19	2	55.765	125	19.34	146	64.022	289	46.87	258
März 10	35.63	61	61.06	193	37.237	124	29.17	11	55.640	167	20.80	131	63.733	338	49.45	215
20	35.02	70	62.99	147	37.113	144	29.28	22	55.473	197	22.11	110	63.395	374	51.60	167
30	34.32	75	64.46	95	36.969	154	29.50	30	55.276	214	23.21	87	63.021	396	53.27	117
Apr. 9	33.57	77	65.41	42	36.815	155	29.80	37	55.062	217	24.08	58	62.625	406	54.44	66
19	32.80	75	65.83	13	36.660	147	30.17	43	54.845	210	24.66	30	62.219	403	55.10	13
29	32.05	71	65.70	65	36.513	131	30.60	47	54.635	190	24.96	1	61.816	388	55.23	39
Mai 9	31.34	63	65.05	115	36.382	110	31.07	50	54.445	163	24.97	27	61.428	364	54.84	90
19	30.71	53	63.90	160	36.272	84	31.57	53	54.282	129	24.70	54	61.064	330	53.94	138
29	30.18	41	62.30	200	36.188	53	32.10	56	54.153	88	24.16	78	60.734	288	52.56	183
Juni 8	29.77	29	60.30	232	36.135	22	32.66	57	54.065	46	23.38	98	60.446	238	50.73	224
18	29.48	15	57.98	259	36.113	9	33.23	57	54.019	1	22.40	117	60.208	184	48.49	258
28	29.33	0	55.39	278	36.122	42	33.80	56	54.018	44	21.23	132	60.024	124	45.91	286
Juli 8	29.33	13	52.61	291	36.164	74	34.36	52	54.062	88	19.91	143	59.900	61	43.05	305
18	29.46	28	49.70	297	36.238	104	34.88	47	54.150	131	18.48	152	59.839	5	40.00	316
28	29.74	41	46.73	296	36.342	133	35.35	39	54.281	173	16.96	158	59.844	73	36.84	316
Aug. 7	30.15	54	43.77	288	36.475	161	35.74	27	54.454	211	15.38	163	59.917	140	33.68	307
17	30.69	67	40.89	276	36.636	188	36.01	14	54.665	247	13.75	163	60.057	206	30.61	286
27	31.36	77	38.13	257	36.824	213	36.15	3	54.912	282	12.12	163	60.263	270	27.75	256
Sept. 6	32.13	87	35.56	233	37.037	237	36.12	22	55.194	315	10.49	160	60.533	330	25.19	216
16	33.00	95	33.23	204	37.274	259	35.90	43	55.509	344	8.89	154	60.863	382	23.03	166
26	33.95	103	31.19	170	37.533	279	35.47	64	55.853	370	7.35	145	61.245	426	21.37	110
Okt. 6	34.98	108	29.49	132	37.812	297	34.83	86	56.223	393	5.90	137	61.671	461	20.27	47
16	36.06	112	28.17	90	38.109	311	33.97	105	56.616	411	4.53	116	62.132	483	19.80	18
26	37.18	114	27.27	44	38.420	320	32.92	123	57.027	423	3.37	99	62.615	491	19.98	84
Nov. 5	38.32	113	26.83	4	38.740	322	31.69	135	57.450	428	2.38	78	63.106	484	20.82	149
15	39.45	109	26.87	53	39.062	319	30.34	143	57.878	422	1.60	51	63.590	462	22.31	208
25	40.54	104	27.40	102	39.381	307	28.91	146	58.300	407	1.09	23	64.052	425	24.39	261
Dez. 5	41.58	94	28.42	150	39.688	285	27.45	144	58.707	381	0.86	9	64.477	373	27.00	306
15	42.52	82	29.92	193	39.973	255	26.01	135	59.088	342	0.95	40	64.850	307	30.06	341
25	43.34	68	31.85	231	40.228	218	24.66	123	59.430	294	1.35	69	65.157	232	33.47	363
35	44.02		34.16		40.446		23.43		59.724		2.04		65.389		37.10	
Mittl. Ort	32.56		45.73		36.748		30.88		54.820		13.52		62.325		38.14	
sec δ, tg δ	4.128		+4.005		1.014		+0.166		1.377		+0.946		1.957		−1.683	

Scheinbare Sternörter 1928

Tag	316) Br 1197 AR.		316) Dekl.		318) ϑ Chamael. AR.		318) Dekl.		317) ο Ursae maj. AR.		317) Dekl.		320) Grb 1450 AR.		320) Dekl.	
1928	8h 22m		−3° 40′		8h 22m		−77° 14′		8h 24m		+60° 57′		8h 28m		+38° 15′	
Jan. 1	4.071	184	9.39	188	55.52	25	56.36	366	18.86	35	34.19	177	14.806	251	50.82	53
11	4.255	138	11.27	173	55.77	6	60.02	376	19.21	27	35.96	206	15.057	194	51.35	80
21	4.393	88	13.00	155	55.83	13	63.78	374	19.48	17	38.02	225	15.251	132	52.15	101
30	4.481	37	14.55	134	55.70	31	67.52	364	19.65	7	40.27	236	15.383	68	53.16	118
Feb. 9	4.518	11	15.89	111	55.39	48	71.16	344	19.72	3	42.63	237	15.451	5	54.34	129
19	4.507	55	17.00	87	54.91	63	74.60	315	19.69	12	45.00	227	15.456	53	55.63	133
29	4.452	93	17.87	63	54.28	77	77.75	281	19.57	20	47.27	208	15.403	104	56.96	130
März 10	4.359	122	18.50	41	53.51	87	80.56	240	19.37	26	49.35	181	15.299	144	58.26	121
20	4.237	142	18.91	19	52.64	95	82.96	194	19.11	31	51.16	147	15.155	174	59.47	106
30	4.095	154	19.10	2	51.69	101	84.90	145	18.80	34	52.63	108	14.981	190	60.53	87
Apr. 9	3.941	156	19.08	21	50.68	104	86.35	94	18.46	35	53.71	65	14.791	196	61.40	65
19	3.785	149	18.87	40	49.64	105	87.29	41	18.11	34	54.36	21	14.595	190	62.05	41
29	3.636	136	18.47	56	48.59	103	87.70	13	17.77	32	54.57	23	14.405	175	62.46	17
Mai 9	3.500	117	17.91	72	47.56	98	87.57	66	17.45	29	54.34	65	14.230	151	62.63	8
19	3.383	93	17.19	86	46.58	92	86.91	117	17.16	24	53.69	104	14.079	121	62.55	32
29	3.290	66	16.33	99	45.66	83	85.74	165	16.92	18	52.65	140	13.958	85	62.23	52
Juni 8	3.224	37	15.34	109	44.83	73	84.09	209	16.74	11	51.25	170	13.873	47	61.71	72
18	3.187	6	14.25	116	44.10	60	82.00	247	16.63	5	49.55	196	13.826	7	60.99	89
28	3.181	25	13.09	121	43.50	46	79.53	279	16.58	1	47.59	216	13.819	33	60.10	104
Juli 8	3.206	55	11.88	121	43.04	31	76.74	303	16.59	9	45.43	231	13.852	73	59.06	116
18	3.261	85	10.67	118	42.73	15	73.71	319	16.68	15	43.12	242	13.925	112	57.90	126
28	3.346	114	9.49	111	42.58	2	70.52	323	16.83	21	40.70	246	14.037	150	56.64	135
Aug. 7	3.460	143	8.38	98	42.60	19	67.29	317	17.04	28	38.24	246	14.187	185	55.29	141
17	3.603	170	7.40	80	42.79	35	64.12	302	17.32	33	35.78	242	14.372	220	53.88	146
27	3.773	196	6.60	58	43.14	51	61.10	275	17.65	39	33.36	233	14.592	252	52.42	149
Sept. 6	3.969	221	6.02	31	43.65	66	58.35	238	18.04	44	31.03	219	14.844	283	50.93	150
16	4.190	246	5.71	2	44.31	78	55.97	191	18.48	48	28.84	202	15.127	311	49.43	149
26	4.436	267	5.69	30	45.09	89	54.06	136	18.96	53	26.82	179	15.438	338	47.94	146
Okt. 6	4.703	286	5.99	64	45.98	96	52.70	76	19.49	56	25.03	153	15.776	362	46.48	140
16	4.989	301	6.63	97	46.94	101	51.94	10	20.05	58	23.50	122	16.138	381	45.08	130
26	5.290	311	7.60	126	47.95	102	51.84	57	20.63	60	22.28	87	16.519	394	43.78	116
Nov. 5	5.601	316	8.86	153	48.97	99	52.41	123	21.23	61	21.41	50	16.913	401	42.62	99
15	5.917	312	10.39	175	49.96	92	53.64	184	21.84	60	20.91	8	17.314	398	41.63	78
25	6.229	301	12.14	191	50.88	82	55.48	241	22.44	57	20.83	34	17.712	387	40.85	53
Dez. 5	6.530	280	14.05	199	51.70	69	57.89	290	23.01	53	21.17	76	18.099	364	40.32	25
15	6.810	250	16.04	201	52.39	54	60.79	328	23.54	48	21.93	117	18.463	331	40.07	4
25	7.060	214	18.05	195	52.93	37	64.07	355	24.02	41	23.10	155	18.794	286	40.11	33
35	7.274		20.00		53.30		67.62		24.43		24.65		19.080		40.44	
Mittl. Ort	3.838		13.68		49.72		70.18		17.90		37.99		14.510		52.74	
sec δ, tg δ	1.002		−0.064		4.532		−4.420		2.060		+1.801		1.274		+0.789	

Tag	321) η Cancri AR.		Dekl.		326) δ Cancri AR.		Dekl.		327) α Pyxidis AR.		Dekl.		328) ι Cancri AR.		Dekl.	
1928	8h 28m		+20° 41′		8h 40m		+18° 25′		8h 40m		−32° 55′		8h 42m		+29° 1′	
Jan. 1	33.080	217	13.29	51	35.922	224	12.68	71	42.448	194	23.55	316	20.868	244	26.88	9
11	33.297	167	12.78	29	36.146	177	11.97	48	42.642	140	26.71	316	21.112	192	26.79	17
21	33.464	114	12.49	7	36.323	124	11.49	25	42.782	83	29.87	305	21.304	137	26.96	41
30*)	33.578	59	12.42	13	36.447	71	11.24	4	42.865	26	32.92	288	21.441	79	27.37	62
Feb. 9	33.637	6	12.55	30	36.518	18	11.20	15	42.891	28	35.80	263	21.520	22	27.99	78
19	33.643	42	12.85	43	36.536	31	11.35	30	42.863	78	38.43	233	21.542	31	28.77	88
29	33.601	85	13.28	51	36.505	74	11.65	41	42.785	120	40.76	200	21.511	78	29.65	94
März 10	33.516	118	13.79	57	36.431	107	12.06	50	42.665	156	42.76	162	21.433	116	30.59	94
20	33.398	142	14.36	58	36.324	133	12.56	54	42.509	181	44.38	123	21.317	144	31.53	89
30	33.256	156	14.94	56	36.191	149	13.10	55	42.328	197	45.61	83	21.173	161	32.42	79
Apr. 9	33.100	159	15.50	52	36.042	154	13.65	52	42.131	204	46.44	42	21.012	168	33.21	67
19	32.941	154	16.02	45	35.888	150	14.17	48	41.927	202	46.86	0	20.844	166	33.88	53
29	32.787	140	16.47	38	35.738	139	14.65	44	41.725	193	46.86	40	20.678	153	34.41	36
Mai 9	32.647	119	16.85	30	35.599	121	15.09	37	41.532	177	46.46	80	20.525	135	34.77	20
19	32.528	95	17.15	22	35.478	97	15.46	30	41.355	155	45.66	116	20.390	109	34.97	3
29	32.433	65	17.37	15	35.381	71	15.76	24	41.200	129	44.50	151	20.281	80	35.00	13
Juni 8	32.368	33	17.52	7	35.310	41	16.00	17	41.071	100	42.99	181	20.201	48	34.87	27
18	32.335	0	17.59	1	35.269	10	16.17	10	40.971	68	41.18	206	20.153	14	34.60	41
28	32.335	33	17.58	8	35.259	21	16.27	3	40.903	34	39.12	226	20.139	20	34.19	53
Juli 8	32.368	65	17.50	15	35.280	53	16.30	5	40.869	1	36.86	240	20.159	55	33.66	65
18	32.433	98	17.35	24	35.333	84	16.25	14	40.870	38	34.46	246	20.214	89	33.01	75
28	32.531	128	17.11	33	35.417	114	16.11	24	40.908	75	32.00	245	20.303	122	32.26	86
Aug. 7	32.659	158	16.78	43	35.531	143	15.87	34	40.983	111	29.55	234	20.425	154	31.40	96
17	32.817	186	16.35	53	35.674	172	15.53	47	41.094	148	27.21	216	20.579	185	30.44	105
27	33.003	213	15.82	65	35.846	199	15.06	60	41.242	184	25.05	188	20.764	215	29.39	114
Sept. 6	33.216	240	15.17	78	36.045	227	14.46	74	41.426	219	23.17	154	20.979	244	28.25	123
16	33.456	264	14.39	91	36.272	252	13.72	89	41.645	252	21.63	110	21.223	271	27.02	129
26	33.720	288	13.48	102	36.524	276	12.83	104	41.897	282	20.53	63	21.494	297	25.73	135
Okt. 6	34.008	308	12.46	113	36.800	299	11.79	116	42.179	307	19.90	10	21.791	322	24.38	139
16	34.316	325	11.33	122	37.099	317	10.63	128	42.486	328	19.80	45	22.113	341	22.99	138
26	34.641	337	10.11	126	37.416	332	9.35	135	42.814	341	20.25	100	22.454	357	21.61	135
Nov. 5	34.978	344	8.85	128	37.748	340	8.00	139	43.155	346	21.25	152	22.811	366	20.26	127
15	35.322	342	7.57	124	38.088	340	6.61	138	43.501	342	22.77	200	23.177	367	18.99	115
25	35.664	333	6.33	116	38.428	333	5.23	132	43.843	328	24.77	242	23.544	360	17.84	98
Dez. 5	35.997	313	5.17	103	38.761	316	3.91	120	44.171	303	27.19	276	23.904	341	16.86	77
15	36.310	284	4.14	86	39.077	289	2.71	105	44.474	269	29.95	299	24.245	313	16.09	54
25	36.594	247	3.28	66	39.366	254	1.66	86	44.743	226	32.94	314	24.558	275	15.55	27
35	36.841		2.62		39.620		0.80		44.969		36.08		24.833		15.28	
Mittl. Ort	32.912		12.82		35.791		11.95		41.896		33.61		20.696		27.88	
sec δ, tg δ	1.069		+0.378		1.054		+0.333		1.191		−0.648		1.144		+0.555	

*) Bei Stern 326), 327) und 328) lies Jan. 31

Scheinbare Sternörter 1928

Tag	330) δ Argus AR.		330) δ Argus Dekl.		334) ζ Hydrae AR.		334) ζ Hydrae Dekl.		336) c Carinae AR.		336) c Carinae Dekl.		335) ι Ursae maj. AR.		335) ι Ursae maj. Dekl.	
1928	$8^h\ 42^m$		−54° 26′		$8^h\ 51^m$		+6° 13′		$8^h\ 53^m$		−60° 21′		$8^h\ 54^m$		+48° 19′	
Jan. 1	44.297 s	211	25.92″	363	35.482 s	218	16.98″	143	26.76 s	24	52.88″	364	17.662 s	316	27.69″	89
11	44.508	138	29.55	371	35.700	174	15.55	125	27.00	16	56.52	376	17.978	253	28.58	123
21	44.646	60	33.26	368	35.874	125	14.30	104	27.16	7	60.28	378	18.231	182	29.81	150
31	44.706	16	36.94	355	35.999	74	13.26	82	27.23	1	64.06	369	18.413	109	31.31	171
Feb. 9	44.690	89	40.49	333	36.073	23	12.44	60	27.22	10	67.75	352	18.522	35	33.02	183
19	44.601	155	43.82	305	36.096	23	11.84	39	27.12	18	71.27	325	18.557	35	34.85	187
29	44.446	213	46.87	270	36.073	64	11.45	20	26.94	25	74.52	292	18.522	98	36.72	182
März 10	44.233	260	49.57	229	36.009	97	11.25	2	26.69	30	77.44	253	18.424	150	38.54	169
20	43.973	296	51.86	184	35.912	123	11.23	12	26.39	35	79.97	209	18.274	191	40.23	149
30	43.677	321	53.70	137	35.789	138	11.35	25	26.04	38	82.06	162	18.083	218	41.72	123
Apr. 9	43.356	333	55.07	87	35.651	144	11.60	34	25.66	40	83.68	112	17.865	232	42.95	93
19	43.023	335	55.94	36	35.507	143	11.94	43	25.26	40	84.80	61	17.633	233	43.88	60
29	42.688	327	56.30	15	35.364	134	12.37	50	24.86	40	85.41	8	17.400	222	44.48	25
Mai 9	42.361	310	56.15	65	35.230	119	12.87	56	24.46	38	85.49	45	17.178	202	44.73	9
19	42.051	284	55.50	113	35.111	99	13.43	60	24.08	36	85.04	95	16.976	172	44.64	43
29	41.767	252	54.37	159	35.012	75	14.03	63	23.72	33	84.09	143	16.804	137	44.21	74
Juni 8	41.515	213	52.78	200	34.937	49	14.66	65	23.39	28	82.66	187	16.667	96	43.47	103
18	41.302	168	50.78	235	34.888	21	15.31	66	23.11	24	80.79	227	16.571	53	42.44	129
28	41.134	120	48.43	265	34.867	8	15.97	64	22.87	18	78.52	260	16.518	8	41.15	150
Juli 8	41.014	67	45.78	287	34.875	36	16.61	61	22.69	12	75.92	286	16.510	39	39.65	170
18	40.947	13	42.91	300	34.911	65	17.22	56	22.57	5	73.06	303	16.549	84	37.95	185
28	40.934	45	39.91	305	34.976	94	17.78	46	22.52	1	70.03	311	16.633	129	36.10	197
Aug. 7	40.979	103	36.86	298	35.070	122	18.24	34	22.53	8	66.92	309	16.762	172	34.13	205
17	41.082	161	33.88	282	35.192	149	18.58	19	22.61	15	63.83	296	16.934	215	32.08	210
27	41.243	219	31.06	256	35.341	177	18.77	1	22.76	23	60.87	272	17.149	256	29.98	211
Sept. 6	41.462	273	28.50	220	35.518	204	18.78	20	22.99	29	58.15	239	17.405	295	27.87	209
16	41.735	322	26.30	173	35.722	231	18.58	43	23.28	35	55.76	195	17.700	333	25.78	204
26	42.057	367	24.57	120	35.953	255	18.15	67	23.63	41	53.81	143	18.033	367	23.74	195
Okt. 6	42.424	404	23.37	61	36.208	279	17.48	92	24.04	45	52.38	85	18.400	399	21.79	181
16	42.828	430	22.76	2	36.487	299	16.56	115	24.49	48	51.53	20	18.799	427	19.98	163
26	43.258	445	22.78	68	36.786	314	15.41	136	24.97	51	51.33	45	19.226	447	18.35	141
Nov. 5	43.703	448	23.46	131	37.100	323	14.05	153	25.48	51	51.78	111	19.673	460	16.94	114
15	44.151	437	24.77	192	37.423	326	12.52	164	25.99	50	52.89	174	20.133	463	15.80	82
25	44.588	411	26.69	245	37.749	320	10.88	171	26.49	47	54.63	232	20.596	455	14.98	48
Dez. 5	44.999	371	29.14	292	38.069	305	9.17	172	26.96	43	56.95	281	21.051	434	14.50	10
15	45.370	319	32.06	328	38.374	280	7.45	166	27.39	37	59.76	322	21.485	400	14.40	28
25	45.689	257	35.34	354	38.654	247	5.79	155	27.76	29	62.98	353	21.885	354	14.68	65
35	45.946		38.88		38.901		4.24		28.05		66.51		22.239		15.33	
Mittl. Ort	42.946		39.37		35.380		14.00		25.06		67.91		17.261		31.70	
sec δ, tg δ	1.720		−1.399		1.006		+0.109		2.023		−1.758		1.504		+1.123	

Tag	337) α Cancri				339) 10 Ursae maj.				341) κ Ursae maj.				343) α Volantis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1928	8h 54m		+12° 8′		8h 55m		+42° 3′		8h 58m		+47° 26′		9h 1m		−66° 6′	
Jan. 1	33.202	228	16.60	112	58.725	292	64.76	55	43.522	318	28.68	82	21.08	29	14.35	364
11	33.430	183	15.48	91	59.017	235	65.31	87	43.840	256	29.50	116	21.37	18	17.99	378
21	33.613	133	14.57	69	59.252	171	66.18	115	44.096	188	30.66	144	21.55	8	21.77	384
31	33.746	81	13.88	46	59.423	104	67.33	135	44.284	115	32.10	165	21.63	2	25.61	379
Feb. 9	[4] 33.827	29	13.42	25	[5] 59.527	38	68.68	150	[5] 44.399	42	33.75	179	[6] 21.61	12	29.40	364
19	33.856	18	13.17	5	59.565	25	70.18	158	44.441	26	35.54	184	21.49	22	33.04	341
29	33.838	60	13.12	11	59.540	82	71.76	157	44.415	89	37.38	181	21.27	30	36.45	310
März 10	33.778	95	13.23	24	59.458	129	73.33	148	44.326	141	39.19	169	20.97	37	39.55	273
20	33.683	121	13.47	35	59.329	165	74.81	134	44.185	182	40.88	150	20.60	42	42.28	230
30	33.562	138	13.82	42	59.164	190	76.15	114	44.003	210	42.38	127	20.18	47	44.58	184
Apr. 9	33.424	145	14.24	46	58.974	202	77.29	89	43.793	224	43.65	97	19.71	49	46.42	134
19	33.279	144	14.70	48	58.772	202	78.18	62	43.569	227	44.62	64	19.22	51	47.76	82
29	33.135	135	15.18	50	58.570	193	78.80	34	43.342	216	45.26	31	18.71	51	48.58	29
Mai 9	33.000	120	15.68	49	58.377	173	79.14	4	43.126	197	45.57	3	18.20	49	48.87	24
19	32.880	100	16.17	48	58.204	148	79.18	25	42.929	170	45.54	36	17.71	47	48.63	77
29	32.780	76	16.65	46	58.056	116	78.93	52	42.759	135	45.18	68	17.24	43	47.86	128
Juni 8	32.704	49	17.11	43	57.940	80	78.41	77	42.624	97	44.50	96	16.81	38	46.58	174
18	32.655	21	17.54	39	57.860	41	77.64	100	42.527	54	43.54	123	16.43	33	44.84	216
28	32.634	8	17.93	34	57.819	2	76.64	120	42.473	11	42.31	145	16.10	26	42.68	253
Juli 8	32.642	37	18.27	28	57.817	39	75.44	137	42.462	34	40.86	164	15.84	19	40.15	281
18	32.679	67	18.55	21	57.856	79	74.07	152	42.496	78	39.22	180	15.65	11	37.34	302
28	32.746	95	18.76	10	57.935	119	72.55	164	42.574	123	37.42	193	15.54	2	34.32	314
Aug. 7	32.841	124	18.86	1	58.054	157	70.91	174	42.697	165	35.49	201	15.52	6	31.18	314
17	32.965	152	18.85	16	58.211	194	69.17	180	42.862	207	33.48	208	15.58	14	28.04	305
27	33.117	179	18.69	32	58.405	231	67.37	185	43.069	247	31.40	210	15.72	24	24.99	285
Sept. 6	33.296	207	18.37	50	58.636	267	65.52	187	43.316	286	29.30	209	15.96	32	22.14	253
16	33.503	234	17.87	69	58.903	300	63.65	186	43.602	324	27.21	205	16.28	40	19.61	212
26	33.737	260	17.18	89	59.203	332	61.79	182	43.926	359	25.16	197	16.68	47	17.49	161
Okt. 6	33.997	283	16.29	108	59.535	361	59.97	174	44.285	390	23.19	184	17.15	53	15.88	104
16	34.280	303	15.21	126	59.896	387	58.23	162	44.675	419	21.35	168	17.68	57	14.84	40
26	34.583	320	13.95	141	60.283	406	56.61	146	45.094	440	19.67	146	18.25	60	14.44	26
Nov. 5	34.903	330	12.54	151	60.689	419	55.15	125	45.534	454	18.21	120	18.85	60	14.70	93
15	35.233	334	11.03	157	61.108	423	53.90	99	45.988	458	17.01	90	19.45	59	15.63	158
25	35.567	328	9.46	157	61.531	417	52.91	69	46.446	452	16.11	55	20.04	56	17.21	218
Dez. 5	35.895	314	7.89	152	61.948	398	52.22	37	46.898	432	15.56	19	20.60	51	19.39	270
15	36.209	289	6.37	141	62.346	368	51.85	3	47.330	399	15.37	20	21.11	43	22.09	315
25	36.498	256	4.96	126	62.714	326	51.82	32	47.729	356	15.57	58	21.54	35	25.24	349
35	36.754		3.70		63.040		52.14		48.085		16.15		21.89		28.73	
Mittl. Ort	33.117		14.76		58.450		68.04		43.156		32.75		18.86		30.68	
sec δ, tg δ	1.023		+0.215		1.347		+0.903		1.479		+1.089		2.469		−2.258	

Scheinbare Sternörter 1928

Tag	344) σ² Ursae maj. AR.		344) Dekl.		345) λ Argus AR.		345) Dekl.		347) ϑ Hydrae AR.		347) Dekl.		348) β Argus AR.		348) Dekl.	
1928	9h 4m		+67° 25′		9h 5m		−43° 8′		9h 10m		+2° 36′		9h 12m		−69° 24′	
Jan. 1	6.24	51	36.30	173	21.417	228	15.02	339	37.246	231	71.98	169	27.59	34	56.08	356
11	6.75	40	38.03	210	21.645	170	18.41	347	37.477	189	70.29	153	27.93	23	59.64	376
21	7.15	29	40.13	239	21.815	107	21.88	344	37.666	141	68.76	132	28.16	11	63.40	385
31	7.44	17	42.52	259	21.922	45	25.32	334	37.807	91	67.44	110	28.27	1	67.25	383
Feb. 9	7.61	5	45.11	267	21.967	17	28.66	313	37.898	41	66.34	87	28.26	13	71.08	373
19	7.66	7	47.78	264	21.950	74	31.79	287	37.939	6	65.47	64	28.13	23	74.81	352
29	7.59	18	50.42	251	21.876	124	34.66	254	37.933	48	64.83	41	27.90	32	78.33	324
März 10	7.41	27	52.93	227	21.752	165	37.20	217	37.885	84	64.42	22	27.58	41	81.57	289
20	7.14	35	55.20	194	21.587	199	39.37	177	37.801	109	64.20	4	27.17	48	84.46	249
30	6.79	40	57.14	154	21.388	221	41.14	134	37.692	128	64.16	12	26.69	53	86.95	204
Apr. 9	6.39	44	58.68	111	21.167	235	42.48	89	37.564	137	64.28	25	26.16	57	88.99	155
19	5.95	45	59.79	63	20.932	240	43.37	43	37.427	139	64.53	38	25.59	58	90.54	103
29	5.50	43	60.42	12	20.692	235	43.80	3	37.288	133	64.91	48	25.01	59	91.57	50
Mai 9	5.07	41	60.54	36	20.457	224	43.77	49	37.155	121	65.39	56	24.42	59	92.07	4
19	4.66	37	60.18	83	20.233	206	43.28	92	37.034	104	65.95	63	23.83	56	92.03	57
29	4.29	31	59.35	127	20.027	183	42.36	134	36.930	83	66.58	70	23.27	52	91.46	108
Juni 8	3.98	25	58.08	167	19.844	155	41.02	171	36.847	61	67.28	74	22.75	47	90.38	158
18	3.73	17	56.41	201	19.689	123	39.31	204	36.786	35	68.02	76	22.28	41	88.80	202
28	3.56	10	54.40	231	19.566	87	37.27	233	36.751	9	68.78	77	21.87	35	86.78	240
Juli 8	3.46	1	52.09	255	19.479	49	34.94	253	36.742	19	69.55	74	21.52	26	84.38	273
18	3.45	7	49.54	272	19.430	9	32.41	266	36.761	46	70.29	70	21.26	17	81.65	297
28	3.52	15	46.82	284	19.421	34	29.75	272	36.807	73	70.99	61	21.09	7	78.68	312
Aug. 7	3.67	23	43.98	291	19.455	78	27.03	268	36.880	102	71.60	50	21.02	2	75.56	316
17	3.90	31	41.07	292	19.533	122	24.35	254	36.982	129	72.10	34	21.04	13	72.40	310
27	4.21	39	38.15	286	19.655	166	21.81	230	37.111	158	72.44	14	21.17	24	69.30	294
Sept. 6	4.60	45	35.29	275	19.821	211	19.51	198	37.269	186	72.58	7	21.41	33	66.36	265
16	5.05	53	32.54	260	20.032	253	17.53	157	37.455	214	72.51	32	21.74	43	63.71	226
26	5.58	58	29.94	237	20.285	292	15.96	109	37.669	242	72.19	59	22.17	51	61.45	179
Okt. 6	6.16	64	27.57	210	20.577	327	14.87	54	37.911	268	71.60	87	22.68	58	59.66	122
16	6.80	68	25.47	178	20.904	354	14.33	4	38.179	290	70.73	113	23.26	64	58.44	60
26	7.48	72	23.69	139	21.258	374	14.37	64	38.469	308	69.60	138	23.90	67	57.84	5
Nov. 5	8.20	74	22.30	97	21.632	384	15.01	124	38.777	321	68.22	159	24.57	68	57.89	73
15	8.94	75	21.33	51	22.016	383	16.25	180	39.098	327	66.63	176	25.25	68	58.62	139
25	9.69	73	20.82	2	22.399	370	18.05	230	39.425	324	64.87	186	25.93	64	60.01	200
Dez. 5	10.42	69	20.80	49	22.769	346	20.35	273	39.749	312	63.01	190	26.57	58	62.01	256
15	11.11	64	21.29	98	23.115	310	23.08	308	40.061	289	61.11	188	27.15	50	64.57	303
25	11.75	57	22.27	144	23.425	263	26.16	332	40.350	259	59.23	180	27.65	41	67.60	340
35	12.32		23.71		23.688		29.48		40.609		57.43		28.06		71.00	
Mittl. Ort	4.98		42.50		20.731		28.34		37.199		68.06		25.03		73.63	
sec δ, tg δ	2.605		+2.406		1.370		−0.937		1.001		+0.046		2.845		−2.663	

Tag	350) 83 Cancri AR.	Δ	350) 83 Cancri Dekl.	Δ	352) 40 Lyncis AR.	Δ	352) 40 Lyncis Dekl.	Δ
1928	9h 14m		+18° 0′		9h 16m		+34° 41′	
Jan. 1	57.997	253	41.94	90	40.589	289	50.05	0
11	58.250	208	41.04	65	40.878	239	50.05	33
21	58.458	158	40.39	39	41.117	183	50.38	63
31	58.616	106	40.00	14	41.300	122	51.01	88
Feb. 9*)	58.722	53	39.86	8	41.422	62	51.89	109
19	58.775	3	39.94	27	41.484	4	52.98	123
29	58.778	43	40.21	42	41.488	49	54.21	129
März 10	58.735	81	40.63	53	41.439	94	55.50	130
20	58.654	110	41.16	61	41.345	129	56.80	124
30	58.544	130	41.77	63	41.216	154	58.04	112
Apr. 9	58.414	141	42.40	63	41.062	169	59.16	96
19	58.273	144	43.03	60	40.893	173	60.12	76
29	58.129	139	43.63	54	40.720	168	60.88	54
Mai 9	57.990	126	44.17	47	40.552	154	61.42	31
19	57.864	109	44.64	40	40.398	135	61.73	8
29	57.755	87	45.04	31	40.263	109	61.81	16
Juni 8	57.668	63	45.35	22	40.154	81	61.65	38
18	57.605	36	45.57	13	40.073	49	61.27	59
28	57.569	8	45.70	4	40.024	16	60.68	77
Juli 8	57.561	21	45.74	6	40.008	18	59.91	96
18	57.582	50	45.68	18	40.026	53	58.95	112
28	57.632	79	45.50	29	40.079	87	57.83	127
Aug. 7	57.711	107	45.21	42	40.166	120	56.56	139
17	57.818	137	44.79	57	40.286	155	55.17	151
27	57.955	166	44.22	71	40.441	188	53.66	161
Sept. 6	58.121	195	43.51	88	40.629	222	52.05	169
16	58.316	224	42.63	104	40.851	255	50.36	175
26	58.540	253	41.59	119	41.106	286	48.61	178
Okt. 6	58.793	279	40.40	134	41.392	317	46.83	178
16	59.072	304	39.06	146	41.709	344	45.05	175
26	59.376	323	37.60	156	42.053	366	43.30	166
Nov. 5	59.699	338	36.04	160	42.419	382	41.64	153
15	60.037	345	34.44	160	42.801	390	40.11	136
25	60.382	343	32.84	154	43.191	389	38.75	112
Dez. 5	60.725	332	31.30	143	43.580	377	37.63	85
15	61.057	311	29.87	126	43.957	353	36.78	55
25	61.368	279	28.61	107	44.310	319	36.23	22
35	61.647		27.54		44.629		36.01	
Mittl. Ort	57.973		41.36		40.476		52.76	
sec δ, tg δ	1.052		+0.325		1.216		+0.692	

Tag	353) κ Argus AR.	Δ	353) κ Argus Dekl.	Δ	354) α Hydrae AR.	Δ	354) α Hydrae Dekl.	Δ
1928	9h 19m		−54° 41′		9h 24m		−8° 20′	
Jan. 1	54.000	272	53.36	351	3.039	236	37.84	224
11	54.272	202	56.87	367	3.275	194	40.08	213
21	54.474	127	60.54	372	3.469	146	42.21	197
31	54.601	50	64.26	367	3.615	96	44.18	178
Feb. 9*)	54.651	23	67.93	352	3.711	47	45.96	154
19	54.628	94	71.45	330	3.758	0	47.50	130
29	54.534	155	74.75	301	3.758	42	48.80	103
März 10	54.379	209	77.76	265	3.716	78	49.83	78
20	54.170	252	80.41	225	3.638	105	50.61	53
30	53.918	284	82.66	181	3.533	125	51.14	28
Apr. 9	53.634	306	84.47	133	3.408	137	51.42	6
19	53.328	317	85.80	85	3.271	140	51.48	16
29	53.011	319	86.65	34	3.131	137	51.32	37
Mai 9	52.692	311	86.99	17	2.994	128	50.95	55
19	52.381	295	86.82	66	2.866	113	50.40	73
29	52.086	272	86.16	113	2.753	96	49.67	88
Juni 8	51.814	242	85.03	159	2.657	75	48.79	102
18	51.572	206	83.44	198	2.582	52	47.77	113
28	51.366	165	81.46	233	2.530	27	46.64	120
Juli 8	51.201	117	79.13	262	2.503	1	45.44	124
18	51.084	67	76.51	281	2.502	26	44.20	124
28	51.017	13	73.70	294	2.528	53	42.96	119
Aug. 7	51.004	45	70.76	295	2.581	81	41.77	109
17	51.049	104	67.81	287	2.662	111	40.68	94
27	51.153	164	64.94	268	2.773	140	39.74	74
Sept. 6	51.317	224	62.26	239	2.913	171	39.00	48
16	51.541	280	59.87	200	3.084	201	38.52	19
26	51.821	333	57.87	152	3.285	230	38.33	14
Okt. 6	52.154	379	56.35	98	3.515	258	38.47	50
16	52.533	417	55.37	37	3.773	283	38.97	86
26	52.950	443	55.00	27	4.056	304	39.83	120
Nov. 5	53.393	457	55.27	91	4.360	318	41.03	153
15	53.850	458	56.18	154	4.678	326	42.56	182
25	54.308	443	57.72	211	5.004	324	44.38	203
Dez. 5	54.751	413	59.83	262	5.328	313	46.41	219
15	55.164	370	62.45	305	5.641	291	48.60	228
25	55.534	314	65.50	338	5.932	262	50.88	229
35	55.848		68.88		6.194		53.17	
Mittl. Ort	52.947		69.56		2.996		44.54	
sec δ, tg δ	1.731		−1.412		1.011		−0.147	

*) Bei Stern 352), 353) und 354) lies Febr. 10

Scheinbare Sternörter 1928

Tag	355) *h* Ursae maj. AR.		Dekl.		359) ψ Argus AR.		Dekl.		358) ϑ Ursae maj. AR.		Dekl.		357) *d* Ursae maj. AR.		Dekl.	
1928	9ʰ 25ᵐ		+63° 22′		9ʰ 27ᵐ		−40° 8′		9ʰ 28ᵐ		+52° 0′		9ʰ 28ᵐ		+70° 8′	
Jan. 1	53.25	49	33.58	135	52.184	251	48.75	327	3.557	374	17.48	78	10.31	61	45.94	160
11	53.74	40	34.93	176	52.435	197	52.02	337	3.931	312	18.26	119	10.92	50	47.54	203
21	54.14	30	36.69	210	52.632	139	55.39	337	4.243	240	19.45	152	11.42	38	49.57	238
31	54.44	20	38.79	236	52.771	79	58.76	328	4.483	164	20.97	180	11.80	25	51.95	262
Feb. 10	54.64	10	41.15	251	52.850	19	62.04	311	4.647	85	22.77	199	12.05	11	54.57	276
	12				13				13				13			
19	54.74	1	43.66	256	52.869	36	65.15	287	4.732	7	24.76	209	12.16	2	57.33	278
29	54.73	11	46.22	250	52.833	86	68.02	258	4.739	63	26.85	208	12.14	15	60.11	270
März 10	54.62	19	48.72	233	52.747	129	70.60	223	4.676	125	28.93	200	11.99	27	62.81	250
20	54.43	26	51.05	207	52.618	164	72.83	186	4.551	176	30.93	182	11.72	35	65.31	220
30	54.17	31	53.12	174	52.454	189	74.69	146	4.375	214	32.75	157	11.37	43	67.51	182
Apr. 9	53.86	35	54.86	134	52.265	205	76.15	103	4.161	238	34.32	127	10.94	48	69.33	138
19	53.51	36	56.20	90	52.060	213	77.18	60	3.923	249	35.59	91	10.46	50	70.71	90
29	53.15	36	57.10	43	51.847	214	77.78	15	3.674	247	36.50	54	9.96	50	71.61	39
Mai 9	52.79	35	57.53	4	51.633	207	77.93	27	3.427	235	37.04	16	9.46	49	72.00	13
19	52.44	32	57.49	50	51.426	194	77.66	70	3.192	212	37.20	23	8.97	45	71.87	63
29	52.12	28	56.99	94	51.232	175	76.96	110	2.980	182	36.97	61	8.52	40	71.24	110
Juni 8	51.84	22	56.05	135	51.057	153	75.86	148	2.798	146	36.36	96	8.12	34	70.14	155
18	51.62	17	54.70	171	50.904	126	74.38	181	2.652	106	35.40	128	7.78	26	68.59	195
28	51.45	11	52.99	204	50.778	96	72.57	209	2.546	62	34.12	157	7.52	18	66.64	228
Juli 8	51.34	5	50.95	232	50.682	62	70.48	232	2.484	15	32.55	182	7.34	9	64.36	257
18	51.29	3	48.63	254	50.620	27	68.16	247	2.469	31	30.73	204	7.25	0	61.79	280
28	51.32	9	46.09	271	50.593	12	65.69	255	2.500	78	28.69	221	7.25	9	58.99	296
Aug. 7	51.41	16	43.38	281	50.605	53	63.14	253	2.578	125	26.48	234	7.34	18	56.03	308
17	51.57	22	40.57	288	50.658	94	60.61	244	2.703	172	24.14	244	7.52	27	52.95	312
27	51.79	29	37.69	289	50.752	138	58.17	224	2.875	219	21.70	249	7.79	36	49.83	310
Sept. 6	52.08	36	34.80	284	50.890	181	55.93	195	3.094	265	19.21	250	8.15	44	46.73	303
16	52.44	41	31.96	273	51.071	223	53.98	158	3.359	309	16.71	246	8.59	52	43.70	288
26	52.85	48	29.23	257	51.294	264	52.40	113	3.668	352	14.25	238	9.11	60	40.82	269
Okt. 6	53.33	52	26.66	235	51.558	301	51.27	62	4.020	393	11.87	225	9.71	67	38.13	243
16	53.85	58	24.31	207	51.859	333	50.65	7	4.413	428	9.62	206	10.38	73	35.70	210
26	54.43	61	22.24	174	52.192	357	50.58	52	4.841	459	7.56	183	11.11	77	33.60	172
Nov. 5	55.04	63	20.50	135	52.549	372	51.10	108	5.300	480	5.73	153	11.88	81	31.88	129
15	55.67	65	19.15	92	52.921	377	52.18	165	5.780	493	4.20	119	12.69	83	30.59	81
25	56.32	64	18.23	44	53.298	371	53.83	214	6.273	493	3.01	79	13.52	82	29.78	29
Dez. 5	56.96	63	17.79	5	53.669	353	55.97	257	6.766	479	2.22	38	14.34	79	29.49	24
15	57.59	58	17.84	55	54.022	323	58.54	292	7.245	451	1.84	6	15.13	74	29.73	77
25	58.17	53	18.39	104	54.345	284	61.46	318	7.696	409	1.90	49	15.87	67	30.50	128
35	58.70		19.43		54.629		64.64		8.105		2.39		16.54		31.78	
Mittl. Ort	52.41		40.53		51.731		62.83		3.192		23.26		8.92		53.51	
sec δ, tg δ	2.232		+1.995		1.308		−0.844		1.624		+1.280		2.945		+2.770	

Tag	360) 10 Leonis min.				366) ϑ Antliae				367) ε Leonis				369) υ Argus			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1928	9h 29m		+36° 42′		9h 40m		−27° 26′		9h 41m		+24° 6′		9h 45m		−64° 43′	
Jan. 1	49.247	307	62.04	2	59.595	252	9.09	293	46.057	285	22.54	72	19.66	37	56.13	340
11	49.554	258	62.06	37	59.847	207	12.02	296	46.342	241	21.82	42	20.03	29	59.53	366
21	49.812	202	62.43	68	60.054	156	14.98	292	46.583	193	21.40	12	20.32	19	63.19	381
31	50.014	141	63.11	96	60.210	104	17.90	279	46.776	139	21.28	16	20.51	9	67.00	384
Feb. 10	50.155	79	64.07	119	60.314	51	20.69	261	46.915	85	21.44	41	20.60	0	70.84	379
	13				16				16				17			
19	50.234	20	65.26	134	60.365	0	23.30	236	47.000	31	21.85	62	20.60	9	74.63	365
29	50.254	36	66.60	142	60.365	45	25.66	209	47.031	17	22.47	77	20.51	18	78.28	341
März 10	50.218	83	68.02	143	60.320	85	27.75	177	47.014	59	23.24	88	20.33	25	81.69	312
20	50.135	122	69.45	138	60.235	116	29.52	145	46.955	94	24.12	93	20.08	32	84.81	275
30	50.013	150	70.83	125	60.119	139	30.97	110	46.861	119	25.05	92	19.76	37	87.56	234
Apr. 9	49.863	167	72.08	108	59.980	156	32.07	74	46.742	136	25.97	87	19.39	41	89.90	188
19	49.696	174	73.16	87	59.824	163	32.81	39	46.606	143	26.84	79	18.98	43	91.78	139
29	49.522	172	74.03	63	59.661	164	33.20	3	46.463	142	27.63	68	18.55	45	93.17	88
Mai 9	49.350	161	74.66	37	59.497	159	33.23	31	46.321	135	28.31	54	18.10	44	94.05	35
19	49.189	144	75.03	12	59.338	148	32.92	65	46.186	120	28.85	39	17.66	44	94.40	18
29	49.045	120	75.15	14	59.190	133	32.27	97	46.066	103	29.24	24	17.22	42	94.22	70
Juni 8	48.925	93	75.01	39	59.057	115	31.30	126	45.963	81	29.48	8	16.80	39	93.52	119
18	48.832	62	74.62	63	58.942	93	30.04	151	45.882	57	29.56	7	16.41	35	92.33	167
28	48.770	30	73.99	85	58.849	68	28.53	173	45.825	30	29.49	23	16.06	31	90.66	209
Juli 8	48.740	3	73.14	105	58.781	42	26.80	189	45.795	3	29.26	38	15.75	24	88.57	244
18	48.743	38	72.09	123	58.739	13	24.91	200	45.792	25	28.88	54	15.51	18	86.13	273
28	48.781	72	70.86	139	58.726	18	22.91	203	45.817	54	28.34	70	15.33	11	83.40	294
Aug. 7	48.853	107	69.47	154	58.744	51	20.88	200	45.871	84	27.64	84	15.22	3	80.46	305
17	48.960	142	67.93	167	58.795	85	18.88	190	45.955	114	26.80	99	15.19	6	77.41	305
27	49.102	177	66.26	178	58.880	121	16.98	170	46.069	145	25.81	115	15.25	14	74.36	294
Sept. 6	49.279	212	64.48	186	59.001	158	15.28	144	46.214	176	24.66	129	15.39	22	71.42	272
16	49.491	247	62.62	192	59.159	194	13.84	111	46.390	209	23.37	144	15.61	31	68.70	240
26	49.738	282	60.70	195	59.353	229	12.73	70	46.599	241	21.93	157	15.92	39	66.30	198
Okt. 6	50.020	314	58.75	194	59.582	264	12.03	25	46.840	271	20.36	167	16.31	45	64.32	146
16	50.334	343	56.81	189	59.846	294	11.78	23	47.111	301	18.69	175	16.76	51	62.86	88
26	50.677	369	54.92	180	60.140	319	12.01	73	47.412	325	16.94	178	17.27	56	61.98	24
Nov. 5	51.046	388	53.12	165	60.459	336	12.74	122	47.737	345	15.16	177	17.83	58	61.74	42
15	51.434	398	51.47	145	60.795	346	13.96	168	48.082	358	13.39	171	18.41	60	62.16	107
25	51.832	400	50.02	121	61.141	345	15.64	209	48.440	361	11.68	159	19.01	58	63.23	171
Dez. 5	52.232	391	48.81	91	61.486	333	17.73	244	48.801	354	10.09	141	19.59	54	64.94	229
15	52.623	369	47.90	58	61.819	312	20.17	270	49.155	338	8.68	119	20.13	49	67.23	280
25	52.992	336	47.32	23	62.131	279	22.87	289	49.493	309	7.49	92	20.62	43	70.03	321
35	53.328		47.09		62.410		25.76		49.802		6.57		21.05		73.24	
Mittl. Ort	49.161		65.47		59.457		20.96		46.111		23.61		18.18		75.47	
sec δ, tg δ	1.248		+0.746		1.127		−0.519		1.096		+0.447		2.343		−2.119	

Tag	368) υ Ursae maj.				370) 6 Sextantis				372) Grb 1586				378) π Leonis			
	AR.	Δ	Dekl.	Δ	AR.	Δ	Dekl.	Δ	AR.	Δ	Dekl.	Δ	AR.	Δ	Dekl.	Δ
1928	$9^h\ 45^m$		$+59°\ 22'$		$9^h\ 47^m$		$-3°\ 54'$		$9^h\ 51^m$		$+73°\ 12'$		$9^h\ 56^m$		$+8°\ 23'$	
Jan. 1	$53^s.717$	459	$34''.86$	96	$36^s.304$	256	$12''.86$	208	$60^s.78$	75	$73''.90$	144	$24^s.492$	272	$28''.04$	156
11	54.176	389	35.82	140	36.560	217	14.94	196	61.53	64	75.34	192	24.764	233	26.48	136
21	54.565	309	37.22	179	36.777	172	16.90	178	62.17	50	77.26	232	24.997	188	25.12	111
31	54.874	219	39.01	210	36.949	123	18.68	157	62.67	35	79.58	263	25.185	140	24.01	86
Feb. 10	55.093	126	41.11	231	37.072	74	20.25	134	63.02	20	82.21	282	25.325	90	23.15	60
19*)	[17] 55.219	35	43.42	242	[18] 37.146	27	21.59	110	[19] 63.22	4	85.03	290	[20] 25.415	42	22.55	35
29	55.254	53	45.84	243	37.173	17	22.69	84	63.26	11	87.93	286	25.457	4	22.20	13
März 10	55.201	130	48.27	233	37.156	54	23.53	60	63.15	25	90.79	269	25.453	42	22.07	6
20	55.071	195	50.60	214	37.102	84	24.13	38	62.90	37	93.48	243	25.411	75	22.13	22
30	54.876	247	52.74	186	37.018	107	24.51	16	62.53	47	95.91	207	25.336	99	22.35	35
Apr. 9	54.629	283	54.60	152	36.911	121	24.67	3	62.06	54	97.98	164	25.237	115	22.70	45
19	54.346	303	56.12	112	36.790	128	24.64	21	61.52	58	99.62	116	25.122	124	23.15	51
29	54.043	310	57.24	69	36.662	129	24.43	36	60.94	60	100.78	64	24.998	125	23.66	55
Mai 9	53.733	301	57.93	24	36.533	123	24.07	51	60.34	60	101.42	11	24.873	121	24.21	58
19	53.432	281	58.17	20	36.410	113	23.56	64	59.74	57	101.53	42	24.752	110	24.79	58
29	53.151	251	57.97	64	36.297	98	22.92	74	59.17	52	101.11	93	24.642	97	25.37	57
Juni 8	52.900	212	57.33	105	36.199	81	22.18	84	58.65	46	100.18	141	24.545	80	25.94	55
18	52.688	168	56.28	144	36.118	61	21.34	91	58.19	38	98.77	185	24.465	60	26.49	51
28	52.520	117	54.84	177	36.057	39	20.43	95	57.81	30	96.92	224	24.405	39	27.00	46
Juli 8	52.403	64	53.07	208	36.018	15	19.48	97	57.51	20	94.68	258	24.366	16	27.46	38
18	52.339	9	50.99	233	36.003	9	18.51	95	57.31	10	92.10	285	24.350	8	27.84	31
28	52.330	48	48.66	254	36.012	35	17.56	88	57.21	1	89.25	307	24.358	34	28.15	19
Aug. 7	52.378	105	46.12	270	36.047	61	16.68	79	57.22	11	86.18	321	24.392	60	28.34	6
17	52.483	164	43.42	281	36.108	90	15.89	65	57.33	22	82.97	330	24.452	88	28.40	10
27	52.647	221	40.61	286	36.198	120	15.24	46	57.55	33	79.67	332	24.540	118	28.30	28
Sept. 6	52.868	278	37.75	286	36.318	150	14.78	22	57.88	43	76.35	327	24.658	148	28.02	48
16	53.146	335	34.89	282	36.468	182	14.56	5	58.31	53	73.08	316	24.806	179	27.54	70
26	53.481	389	32.07	271	36.650	213	14.61	34	58.84	63	69.92	299	24.985	210	26.84	93
Okt. 6	53.870	439	29.36	254	36.863	244	14.95	66	59.47	71	66.93	274	25.195	242	25.91	117
16	54.309	486	26.82	232	37.107	272	15.61	98	60.18	79	64.19	242	25.437	272	24.74	138
26	54.795	526	24.50	203	37.379	296	16.59	129	60.97	86	61.77	204	25.709	297	23.36	158
Nov. 5	55.321	556	22.47	168	37.675	315	17.88	157	61.83	91	59.73	160	26.006	317	21.78	174
15	55.877	575	20.79	128	37.990	326	19.45	181	62.74	94	58.13	112	26.323	332	20.04	185
25	56.452	580	19.51	84	38.316	330	21.26	200	63.68	95	57.01	58	26.655	337	18.19	190
Dez. 5	57.032	569	18.67	36	38.646	323	23.26	212	64.63	93	56.43	2	26.992	333	16.29	190
15	57.601	542	18.31	15	38.969	306	25.38	217	65.56	88	56.41	55	27.325	319	14.39	182
25	58.143	498	18.46	64	39.275	280	27.55	215	66.44	82	56.96	110	27.644	294	12.57	170
35	58.641		19.10		39.555		29.70		67.26		58.06		27.938		10.87	
Mittl. Ort	53.186		42.28		36.387		18.86		59.19		82.77		24.637		25.29	
sec δ, tg δ	1.963		+1.690		1.002		−0.068		3.464		+3.317		1.011		+0.148	

*) Bei Stern 378) lies Febr. 20

Tag	379) η Leonis AR.		Dekl.		380) α Leonis AR.		Dekl.		381) λ Hydrae AR.		Dekl.		382) q Velorum AR.		Dekl.	
1928	$10^h 3^m$		+17° 6′		$10^h 4^m$		+12° 18′		$10^h 7^m$		−11° 59′		$10^h 11^m$		−41° 45′	
Jan. 1	24.440	288	52.28	119	32.219	281	72.59	142	4.545	268	42.67	241	42.721	301	36.27	312
11	24.728	249	51.09	91	32.500	243	71.17	118	4.813	230	45.08	235	43.022	253	39.39	330
21	24.977	204	50.18	63	32.743	200	69.99	91	5.043	187	47.43	224	43.275	198	42.69	338
31	25.181	154	49.55	35	32.943	150	69.08	64	5.230	138	49.67	207	43.473	139	46.07	336
Feb. 10	25.335	103	49.20	7	33.093	100	68.44	37	5.368	89	51.74	185	43.612	80	49.43	326
20	^{22}25.438	53	49.13	17	^{22}33.193	51	68.07	13	^{23}5.457	42	53.59	161	^{24}43.692	23	52.69	309
29	25.491	5	49.30	38	33.244	6	67.94	10	5.499	2	55.20	135	43.715	30	55.78	286
März 10	25.496	37	49.68	55	33.250	35	68.04	28	5.497	41	56.55	109	43.685	79	58.64	256
20	25.459	71	50.23	65	33.215	69	68.32	42	5.456	73	57.64	82	43.606	118	61.20	224
30	25.388	97	50.88	72	33.146	95	68.74	52	5.383	98	58.46	57	43.488	150	63.44	187
Apr. 9	25.291	116	51.60	75	33.051	112	69.26	59	5.285	115	59.03	32	43.338	175	65.31	147
19	25.175	126	52.35	74	32.939	122	69.85	63	5.170	125	59.35	7	43.163	191	66.78	106
29	25.049	128	53.09	69	32.817	126	70.48	63	5.045	129	59.42	15	42.972	200	67.84	64
Mai 9	24.921	125	53.78	63	32.691	121	71.11	61	4.916	127	59.27	36	42.772	202	68.48	20
19	24.796	116	54.41	54	32.570	113	71.72	57	4.789	120	58.91	57	42.570	198	68.68	22
29	24.680	102	54.95	45	32.457	100	72.29	52	4.669	109	58.34	75	42.372	190	68.46	65
Juni 8	24.578	85	55.40	34	32.357	84	72.81	46	4.560	95	57.59	91	42.182	175	67.81	104
18	24.493	65	55.74	22	32.273	65	73.27	38	4.465	78	56.68	104	42.007	156	66.77	141
28	24.428	44	55.96	10	32.208	44	73.65	30	4.387	59	55.64	115	41.851	134	65.36	174
Juli 8	24.384	20	56.06	3	32.164	22	73.95	20	4.328	38	54.49	123	41.717	106	63.62	202
18	24.364	4	56.03	16	32.142	2	74.15	9	4.290	14	53.26	126	41.611	76	61.60	224
28	24.368	30	55.87	31	32.144	27	74.24	4	4.276	10	52.00	125	41.535	40	59.36	239
Aug. 7	24.398	58	55.56	47	32.171	54	74.20	18	4.286	38	50.75	118	41.495	2	56.97	245
17	24.456	86	55.09	63	32.225	82	74.02	35	4.324	66	49.57	106	41.493	41	54.52	243
27	24.542	115	54.46	81	32.307	111	73.67	53	4.390	98	48.51	89	41.534	85	52.09	231
Sept. 6	24.657	147	53.65	99	32.418	142	73.14	72	4.488	130	47.62	65	41.619	131	49.78	212
16	24.804	180	52.66	117	32.560	174	72.42	93	4.618	164	46.97	37	41.750	180	47.66	181
26	24.984	212	51.49	136	32.734	206	71.49	114	4.782	198	46.60	5	41.930	226	45.85	142
Okt. 6	25.196	245	50.13	153	32.940	239	70.35	135	4.980	231	46.55	30	42.156	272	44.43	96
16	25.441	276	48.60	168	33.179	269	69.00	153	5.211	263	46.85	68	42.428	313	43.47	45
26	25.717	303	46.92	179	33.448	296	67.47	169	5.474	291	47.53	106	42.741	347	43.02	11
Nov. 5	26.020	325	45.13	186	33.744	319	65.78	181	5.765	312	48.59	142	43.088	373	43.13	68
15	26.345	342	43.27	188	34.063	334	63.97	188	6.077	328	50.01	174	43.461	388	43.81	124
25	26.687	349	41.39	184	34.397	342	62.09	190	6.405	333	51.75	201	43.849	393	45.05	178
Dez. 5	27.036	346	39.55	174	34.739	339	60.19	185	6.738	330	53.76	223	44.242	384	46.83	227
15	27.382	333	37.81	157	35.078	327	58.34	173	7.068	315	55.99	237	44.626	363	49.10	266
25	27.715	310	36.24	137	35.405	303	56.61	157	7.383	291	58.36	243	44.989	330	51.76	299
35	28.025		34.87		35.708		55.04		7.674		60.79		45.319		54.75	
Mittl. Ort	24.607		51.87		32.398		70.91		4.686		51.21		42.560		52.80	
sec δ, tg δ	1.046		+0.308		1.024		+0.218		1.022		−0.213		1.341		−0.893	

Scheinbare Sternörter 1928

Tag	384) ζ Leonis AR.		384) ζ Leonis Dekl.		383) λ Ursae maj. AR.		383) λ Ursae maj. Dekl.		386) μ Ursae maj. AR.		386) μ Ursae maj. Dekl.		387) 30 H. Ursae maj. AR.		387) 30 H. Ursae maj. Dekl.	
1928	10h 12m		+23° 46′		10h 12m		+43° 16′		10h 18m		+41° 51′		10h 18m		+65° 55′	
Jan. 1	41.204 s	305	35.01 "	93	45.744 s	368	22.42 "	4	2.791 s	365	38.11 "	14	58.33 s	60	43.30 "	85
11	41.509	268	34.08	61	46.112	322	22.38	40	3.156	321	37.97	28	58.93	52	44.15	137
21	41.777	222	33.47	29	46.434	267	22.78	80	3.477	268	38.25	69	59.45	43	45.52	183
31	41.999	171	33.18	3	46.701	204	23.58	116	3.745	208	38.94	106	59.88	33	47.35	221
Feb. 10	42.170	117	33.21	32	46.905	139	24.74	145	3.953	144	40.00	136	60.21	22	49.56	248
20	24 42.287	65	33.53	57	24 47.044	74	26.19	168	25 4.097	80	41.36	159	26 60.43	11	52.04	266
29	42.352	15	34.10	76	47.118	12	27.87	181	4.177	19	42.95	175	60.54	0	54.70	272
März 10	42.367	29	34.86	91	47.130	46	29.68	185	4.196	37	44.70	181	60.54	11	57.42	267
20	42.338	67	35.77	99	47.084	94	31.53	181	4.159	85	46.51	178	60.43	20	60.09	250
30	42.271	96	36.76	102	46.990	132	33.34	170	4.074	123	48.29	169	60.23	27	62.59	223
Apr. 9	42.175	116	37.78	99	46.858	161	35.04	151	3.951	152	49.98	152	59.96	32	64.82	189
19	42.059	129	38.77	92	46.697	179	36.55	127	3.799	170	51.50	129	59.64	37	66.71	149
29	41.930	134	39.69	81	46.518	186	37.82	98	3.629	178	52.79	102	59.27	39	68.20	102
Mai 9	41.796	132	40.50	69	46.332	185	38.80	67	3.451	179	53.81	72	58.88	40	69.22	54
19	41.664	124	41.19	54	46.147	177	39.47	33	3.272	170	54.53	40	58.48	39	69.76	5
29	41.540	111	41.73	37	45.970	160	39.80	0	3.102	156	54.93	7	58.09	36	69.81	45
Juni 8	41.429	94	42.10	19	45.810	139	39.80	34	2.946	137	55.00	25	57.73	33	69.36	93
18	41.335	75	42.29	2	45.671	112	39.46	65	2.809	112	54.75	57	57.40	28	68.43	137
28	41.260	53	42.31	15	45.559	84	38.81	96	2.697	85	54.18	88	57.12	23	67.06	179
Juli 8	41.207	30	42.16	34	45.475	52	37.85	125	2.612	55	53.30	116	56.89	17	65.27	216
18	41.177	5	41.82	52	45.423	19	36.60	151	2.557	23	52.14	143	56.72	10	63.11	248
28	41.172	22	41.30	69	45.404	17	35.09	174	2.534	11	50.71	166	56.62	4	60.63	275
Aug. 7	41.194	50	40.61	86	45.421	53	33.35	195	2.545	46	49.05	187	56.58	3	57.88	296
17	41.244	80	39.75	104	45.474	91	31.40	212	2.591	84	47.18	206	56.61	11	54.92	312
27	41.324	111	38.71	122	45.565	131	29.28	227	2.675	122	45.12	221	56.72	18	51.80	321
Sept. 6	41.435	144	37.49	139	45.696	172	27.01	238	2.797	161	42.91	233	56.90	25	48.59	325
16	41.579	177	36.10	155	45.868	213	24.63	245	2.958	203	40.58	242	57.15	33	45.34	322
26	41.756	212	34.55	170	46.081	255	22.18	248	3.161	244	38.16	246	57.48	40	42.12	313
Okt. 6	41.968	247	32.85	183	46.336	296	19.70	247	3.405	285	35.70	247	57.88	47	38.99	297
16	42.215	279	31.02	192	46.632	335	17.23	239	3.690	324	33.23	241	58.35	53	36.02	274
26	42.494	309	29.10	197	46.967	371	14.84	228	4.014	360	30.82	231	58.88	60	33.28	244
Nov. 5	42.803	334	27.13	198	47.338	400	12.56	208	4.374	390	28.51	213	59.48	64	30.84	207
15	43.137	352	25.15	193	47.738	421	10.48	183	4.764	412	26.38	190	60.12	67	28.77	164
25	43.489	362	23.22	182	48.159	432	8.65	152	5.176	424	24.48	160	60.79	70	27.13	115
Dez. 5	43.851	361	21.40	164	48.591	433	7.13	117	5.600	426	22.88	125	61.49	69	25.98	62
15	44.212	349	19.76	142	49.024	419	5.96	76	6.026	414	21.63	87	62.18	67	25.36	6
25	44.561	328	18.34	115	49.443	393	5.20	32	6.440	389	20.76	44	62.85	64	25.30	49
35	44.889		17.19		49.836		4.88		6.829		20.32		63.49		25.79	
Mittl. Ort	41.388		36.44		45.759		28.28		2.851		43.84		57.68		52.76	
sec δ, tg δ	1.093		+0.441		1.373		+0.942		1.343		+0.896		2.452		+2.239	

Tag	389) μ Hydrae				391) J Carinae				390) 31 Leonis min.				392) Lac. α Antliae			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1928	10ʰ 22ᵐ		−16° 27′		10ʰ 22ᵐ		−73° 39′		10ʰ 23ᵐ		+37° 4′		10ʰ 23ᵐ		−30° 41′	
Jan. 1	36.262	281	55.56	255	60.06	61	30.47	305	43.454	350	31.49	42	51.196	293	48.35	289
11	36.543	243	58.11	253	60.67	50	33.52	342	43.804	309	31.07	0	51.489	252	51.24	300
21	36.786	200	60.64	246	61.17	37	36.94	368	44.113	259	31.07	39	51.741	205	54.24	301
31	36.986	153	63.10	231	61.54	23	40.62	385	44.372	204	31.46	76	51.946	153	57.25	296
Feb. 10	37.139	104	65.41	212	61.77	10	44.47	391	44.576	144	32.22	107	52.099	101	60.21	283
20	27 37.243	56	67.53	190	27 61.87	4	48.38	388	27 44.720	84	33.29	133	27 52.200	49	63.04	264
29	37.299	11	69.43	164	61.83	17	52.26	375	44.804	27	34.62	150	52.249	1	65.68	240
März 10	37.310	28	71.07	138	61.66	28	56.01	354	44.831	26	36.12	160	52.250	42	68.08	212
20	37.282	62	72.45	110	61.38	39	59.55	327	44.805	71	37.72	161	52.208	78	70.20	181
30	37.220	89	73.55	82	60.99	48	62.82	292	44.734	106	39.33	156	52.130	108	72.01	148
Apr. 9	37.131	108	74.37	55	60.51	56	65.74	252	44.628	134	40.89	143	52.022	130	73.49	115
19	37.023	121	74.92	28	59.95	62	68.26	208	44.494	151	42.32	125	51.892	145	74.64	79
29	36.902	128	75.20	2	59.33	66	70.34	158	44.343	160	43.57	103	51.747	154	75.43	43
Mai 9	36.774	128	75.22	23	58.67	69	71.92	107	44.183	160	44.60	77	51.593	156	75.86	7
19	36.646	124	74.99	46	57.98	70	72.99	53	44.023	154	45.37	49	51.437	153	75.93	28
29	36.522	116	74.53	68	57.28	69	73.52	2	43.869	142	45.86	20	51.284	147	75.65	62
Juni 8	36.406	105	73.85	88	56.59	68	73.50	56	43.727	125	46.06	9	51.137	135	75.03	94
18	36.301	90	72.97	106	55.91	64	72.94	108	43.602	103	45.97	38	51.002	121	74.09	123
28	36.211	73	71.91	121	55.27	58	71.86	157	43.499	79	45.59	66	50.881	102	72.86	150
Juli 8	36.138	53	70.70	132	54.69	51	70.29	202	43.420	52	44.93	93	50.779	81	71.36	170
18	36.085	32	69.38	138	54.18	42	68.27	240	43.368	24	44.00	117	50.698	56	69.66	187
28	36.053	7	68.00	140	53.76	32	65.87	271	43.344	7	42.83	141	50.642	28	67.79	198
Aug. 7	36.046	20	66.60	136	53.44	21	63.16	293	43.351	39	41.42	163	50.614	3	65.81	200
17	36.066	49	65.24	127	53.23	8	60.23	306	43.390	73	39.79	181	50.617	37	63.81	196
27	36.115	80	63.97	112	53.15	5	57.17	308	43.463	109	37.98	198	50.654	75	61.85	184
Sept. 6	36.195	115	62.85	89	53.20	19	54.09	298	43.572	146	36.00	213	50.729	114	60.01	163
16	36.310	150	61.96	62	53.39	32	51.11	276	43.718	184	33.87	224	50.843	155	58.38	134
26	36.460	186	61.34	29	53.71	45	48.35	244	43.902	225	31.63	232	50.998	196	57.04	100
Okt. 6	36.646	223	61.05	8	54.16	58	45.91	201	44.127	264	29.31	236	51.194	237	56.04	58
16	36.869	257	61.13	47	54.74	68	43.90	149	44.391	301	26.95	235	51.431	275	55.46	10
26	37.126	287	61.60	87	55.42	76	42.41	90	44.692	337	24.60	230	51.706	308	55.36	38
Nov. 5	37.413	312	62.47	127	56.18	82	41.51	25	45.029	366	22.30	217	52.014	334	55.74	89
15	37.725	329	63.74	164	57.00	85	41.26	41	45.395	388	20.13	199	52.348	353	56.63	137
25	38.054	338	65.38	196	57.85	85	41.67	107	45.783	401	18.14	174	52.701	360	58.00	182
Dez. 5	38.392	336	67.34	223	58.70	82	42.74	170	46.184	404	16.40	143	53.061	357	59.82	223
15	38.728	325	69.57	242	59.52	76	44.44	229	46.588	394	14.97	108	53.418	343	62.05	255
25	39.053	302	71.99	253	60.28	68	46.73	280	46.982	371	13.89	70	53.761	316	64.60	280
35	39.355		74.52		60.96		49.53		47.353		13.19		54.077		67.40	
Mittl. Ort	36.464		65.69		58.13		53.10		43.597		36.34		51.292		62.54	
sec δ, tg δ	1.043		−0.296		3.556		−3.412		1.253		+0.756		1.163		−0.594	

Scheinbare Sternörter 1928

Tag	393) s Carinae AR.		Dekl.		394) 36 Ursae maj. AR.		Dekl.		395) 9 H. Draconis AR.		Dekl.		404) 33 Sextantis AR.		Dekl.	
1928	10h 25m		−58° 21′		10h 26m		+56° 20′		10h 28m		+76° 4′		10h 37m		−1° 21′	
Jan. 1	14.406 s	391	56.62″	314	2.116 s	469	52.95″	39	63.09 s	96	54.33″	109	44.118 s	290	39.85″	207
11	14.797	326	59.76	344	2.585	414	53.34	89	64.05	85	55.42	163	44.408	258	41.92	194
21	15.123	255	63.20	364	2.999	348	54.23	136	64.90	70	57.05	211	44.666	217	43.86	175
31	15.378	177	66.84	374	3.347	271	55.59	174	65.60	54	59.16	250	44.883	173	45.61	153
Feb. 10	15.555	99	70.58	373	3.618	189	57.33	206	66.14	36	61.66	278	45.056	126	47.14	129
20	15.654	22	74.31	364	3.807	105	59.39	228	66.50	18	64.44	295	45.182	79	48.43	103
29*)	[27] 15.676	51	77.95	347	[27] 3.912	23	61.67	240	[28] 66.68	0	67.39	299	[1] 45.261	35	49.46	77
März 10	15.625	116	81.42	323	3.935	53	64.07	240	66.68	18	70.38	292	45.296	6	50.23	54
20	15.509	173	84.65	292	3.882	119	66.47	231	66.50	34	73.30	271	45.290	39	50.77	31
30	15.336	222	87.57	256	3.763	175	68.78	212	66.16	47	76.01	242	45.251	68	51.08	11
Apr. 9	15.114	261	90.13	215	3.588	217	70.90	185	65.69	58	78.43	203	45.183	88	51.19	7
19	14.853	290	92.28	171	3.371	247	72.75	152	65.11	66	80.46	157	45.095	102	51.12	22
29	14.563	311	93.99	123	3.124	263	74.27	113	64.45	71	82.03	106	44.993	110	50.90	36
Mai 9	14.252	323	95.22	74	2.861	268	75.40	72	63.74	73	83.09	53	44.883	112	50.54	46
19	13.929	325	95.96	24	2.593	261	76.12	28	63.01	73	83.62	2	44.771	110	50.08	56
29	13.604	320	96.20	27	2.332	245	76.40	16	62.28	69	83.60	57	44.661	103	49.52	63
Juni 8	13.284	306	95.93	76	2.087	221	76.24	59	61.59	64	83.03	109	44.558	94	48.89	68
18	12.978	286	95.17	123	1.866	190	75.65	100	60.95	58	81.94	158	44.464	81	48.21	73
28	12.692	257	93.94	167	1.676	153	74.65	139	60.37	49	80.36	203	44.383	66	47.48	74
Juli 8	12.435	221	92.27	205	1.523	113	73.26	175	59.88	39	78.33	243	44.317	48	46.74	74
18	12.214	177	90.22	238	1.410	68	71.51	206	59.49	28	75.90	278	44.269	30	46.00	70
28	12.037	126	87.84	263	1.342	22	69.45	234	59.21	16	73.12	306	44.239	8	45.30	63
Aug. 7	11.911	70	85.21	279	1.320	28	67.11	257	59.05	4	70.06	328	44.231	16	44.67	54
17	11.841	8	82.42	286	1.348	79	64.54	275	59.01	9	66.78	343	44.247	43	44.13	40
27	11.833	60	79.56	283	1.427	132	61.79	289	59.10	22	63.35	352	44.290	71	43.73	22
Sept. 6	11.893	131	76.73	269	1.559	186	58.90	297	59.32	34	59.83	354	44.361	103	43.51	2
16	12.024	202	74.04	243	1.745	241	55.93	300	59.66	47	56.29	348	44.464	137	43.49	23
26	12.226	271	71.61	208	1.986	297	52.93	297	60.13	60	52.81	335	44.601	171	43.72	50
Okt. 6	12.497	338	69.53	164	2.283	350	49.96	289	60.73	72	49.46	315	44.772	207	44.22	79
16	12.835	397	67.89	111	2.633	402	47.07	273	61.45	82	46.31	288	44.979	241	45.01	108
26	13.232	447	66.78	52	3.035	448	44.34	251	62.27	92	43.43	252	45.220	273	46.09	136
Nov. 5	13.679	483	66.26	10	3.483	488	41.83	222	63.19	101	40.91	210	45.493	300	47.45	163
15	14.162	506	66.36	74	3.971	517	39.61	186	64.20	106	38.81	161	45.793	320	49.08	185
25	14.668	511	67.10	137	4.488	535	37.75	144	65.26	110	37.20	108	46.113	332	50.93	202
Dez. 5	15.179	500	68.47	195	5.023	539	36.31	98	66.36	110	36.12	49	46.445	335	52.95	213
15	15.679	472	70.42	248	5.562	526	35.33	47	67.46	107	35.63	11	46.780	328	55.08	217
25	16.151	427	72.90	293	6.088	497	34.86	5	68.53	102	35.74	69	47.108	310	57.25	214
35	16.578		75.83		6.585		34.91		69.55		36.43		47.418		59.39	
Mittl. Ort	13.884		77.18		1.929		61.49		61.44		64.96		44.452		45.57	
sec δ, tg δ	1.907		−1.624		1.805		+1.502		4.158		+4.036		1.000		−0.024	

*) Bei Stern 404) lies März 1

Tag	406) ϑ Argus AR.		Dekl.		407) 42 Leonis min. AR.		Dekl.		408) μ Argus AR.		Dekl.		409) *l* Leonis AR.		Dekl.	
1928	10h 40m		−64° 0′		10h 41m		+31° 3′		10h 43m		−49° 2′		10h 45m		+10° 55′	
Jan. 1	23.65	47	38.56	299	51.720	341	39.53	82	40.026	360	2.79	300	28.102	305	37.55	165
11	24.12	39	41.55	335	52.061	305	38.71	43	40.386	311	5.79	326	28.407	272	35.90	141
21	24.51	32	44.90	361	52.366	262	38.28	5	40.697	255	9.05	343	28.679	233	34.49	114
31	24.83	23	48.51	376	52.628	211	38.23	32	40.952	193	12.48	352	28.912	189	33.35	85
Feb. 10	25.06	13	52.27	381	52.839	156	38.55	67	41.145	130	16.00	350	29.101	141	32.50	56
20	25.19	5	56.08	378	52.995	101	39.22	95	41.275	66	19.50	341	29.242	93	31.94	28
März 1	25.24	4	59.86	366	53.096	48	40.17	118	41.341	6	22.91	324	29.335	46	31.66	2
10	25.20	11	63.52	346	53.144	1	41.35	132	41.347	48	26.15	300	29.381	5	31.64	19
20	25.09	18	66.98	318	53.143	45	42.67	141	41.299	96	29.15	272	29.386	31	31.83	37
30	24.91	25	70.16	285	53.098	79	44.08	141	41.203	137	31.87	238	29.355	61	32.20	51
April 9	24.66	30	73.01	246	53.019	107	45.49	135	41.066	171	34.25	200	29.294	84	32.71	61
19	24.36	34	75.47	203	52.912	125	46.84	124	40.895	196	36.25	159	29.210	99	33.32	66
29	24.02	37	77.50	156	52.787	137	48.08	108	40.699	214	37.84	116	29.111	108	33.98	68
Mai 9	23.65	39	79.06	107	52.650	140	49.16	88	40.485	226	39.00	72	29.003	112	34.66	68
19	23.26	40	80.13	55	52.510	137	50.04	66	40.259	231	39.72	26	28.891	110	35.34	65
29	22.86	40	80.68	3	52.373	130	50.70	41	40.028	228	39.98	20	28.781	104	35.99	60
Juni 8	22.46	40	80.71	48	52.243	117	51.11	16	39.800	221	39.78	65	28.677	95	36.59	53
18	22.06	37	80.23	99	52.126	101	51.27	9	39.579	209	39.13	108	28.582	82	37.12	46
28	21.69	34	79.24	146	52.025	81	51.18	35	39.370	190	38.05	147	28.500	67	37.58	36
Juli 8	21.35	31	77.78	189	51.944	60	50.83	59	39.180	165	36.58	182	28.433	51	37.94	26
18	21.04	26	75.89	226	51.884	36	50.24	83	39.015	135	34.76	213	28.382	31	38.20	13
28	20.78	19	73.63	257	51.848	9	49.41	107	38.880	99	32.63	235	28.351	10	38.33	0
Aug. 7	20.59	13	71.06	278	51.839	18	48.34	129	38.781	58	30.28	250	28.341	14	38.33	16
17	20.46	6	68.28	291	51.857	49	47.05	149	38.723	12	27.78	258	28.355	41	38.17	33
27	20.40	2	65.37	293	51.906	82	45.56	169	38.711	40	25.20	254	28.396	69	37.84	52
Sept. 6	20.42	11	62.44	284	51.988	117	43.87	187	38.751	95	22.66	241	28.465	99	37.32	72
16	20.53	20	59.60	264	52.105	153	42.00	202	38.846	152	20.25	218	28.564	134	36.60	94
26	20.73	29	56.96	234	52.258	192	39.98	216	38.998	209	18.07	186	28.698	169	35.66	117
Okt. 6	21.02	36	54.62	192	52.450	231	37.82	225	39.207	265	16.21	144	28.867	205	34.49	139
16	21.38	44	52.70	142	52.681	270	35.57	231	39.472	318	14.77	95	29.072	240	33.10	160
26	21.82	51	51.28	84	52.951	305	33.26	231	39.790	363	13.82	40	29.312	272	31.50	179
Nov. 5	22.33	55	50.44	23	53.256	336	30.95	226	40.153	399	13.42	18	29.584	302	29.71	192
15	22.88	58	50.21	42	53.592	361	28.69	215	40.552	425	13.60	77	29.886	324	27.79	203
25	23.46	59	50.63	106	53.953	377	26.54	197	40.977	436	14.37	136	30.210	339	25.76	206
Dez. 5	24.05	59	51.69	169	54.330	383	24.57	173	41.413	434	15.73	190	30.549	343	23.70	204
15	24.64	56	53.38	225	54.713	378	22.84	143	41.847	418	17.63	239	30.892	339	21.66	195
25	25.20	51	55.63	275	55.091	360	21.41	108	42.265	388	20.02	280	31.231	322	19.71	179
35	25.71		58.38		55.451		20.33		42.653		22.82		31.553		17.92	
Mittl. Ort	23.05		60.73		51.999		43.31		40.006		22.21		28.475		35.64	
sec δ, tg δ	2.283		−2.052		1.167		+0.602		1.525		−1.152		1.018		+0.193	

Tag	415) *i* Velorum AR.		415) *i* Velorum Dekl.		416) β Ursae maj. AR.		416) β Ursae maj. Dekl.	
1928	10h 56m		−41° 50′		10h 57m		+56° 45′	
Jan. 1	50.589	345	3.88	287	30.551	497	57.67	5
11	50.934	304	6.75	309	31.048	451	57.72	58
21	51.238	256	9.84	324	31.499	392	58.30	109
31	51.494	202	13.08	330	31.891	321	59.39	156
Feb. 10	51.696	145	16.38	326	32.212	243	60.95	193
20	51.841	89	19.64	316	32.455	160	62.88	222
März 1	6 51.930	35	22.80	298	6 32.615	78	65.10	242
10	51.965	15	25.78	276	32.693	1	67.52	249
20	51.950	58	28.54	247	32.692	72	70.01	246
30	51.892	95	31.01	216	32.620	133	72.47	233
Apr. 9	51.797	126	33.17	182	32.487	183	74.80	212
19	51.671	150	34.99	144	32.304	222	76.92	181
29	51.521	167	36.43	104	32.082	248	78.73	145
Mai 9	51.354	178	37.47	64	31.834	261	80.18	105
19	51.176	184	38.11	23	31.573	265	81.23	62
29	50.992	184	38.34	18	31.308	258	81.85	16
Juni 8	50.808	180	38.16	59	31.050	243	82.01	28
18	50.628	171	37.57	97	30.807	221	81.73	73
28	50.457	157	36.60	132	30.586	191	81.00	115
Juli 8	50.300	138	35.28	164	30.395	158	79.85	156
18	50.162	114	33.64	191	30.237	118	78.29	191
28	50.048	86	31.73	211	30.119	76	76.38	224
Aug. 7	49.962	52	29.62	224	30.043	30	74.14	252
17	49.910	13	27.38	230	30.013	19	71.62	276
27	49.897	30	25.08	226	30.032	72	68.86	295
Sept. 6	49.927	76	22.82	214	30.104	127	65.91	308
16	50.003	126	20.68	192	30.231	184	62.83	317
26	50.129	178	18.76	161	30.415	243	59.66	319
Okt. 6	50.307	229	17.15	122	30.658	301	56.47	314
16	50.536	277	15.93	77	30.959	359	53.33	303
26	50.813	321	15.16	25	31.318	413	50.30	284
Nov. 5	51.134	357	14.91	29	31.731	460	47.46	259
15	51.491	384	15.20	84	32.191	500	44.87	224
25	51.875	399	16.04	138	32.691	526	42.63	184
Dez. 5	52.274	401	17.42	188	33.217	541	40.79	138
15	52.675	392	19.30	233	33.758	539	39.41	86
25	53.067	368	21.63	270	34.297	519	38.55	32
35	53.435		24.33		34.816		38.23	
Mittl. Ort	50.814		21.96		30.557		67.28	
sec δ, tg δ	1.342		−0.895		1.825		+1.526	

Tag	417) α Ursae maj. AR.		417) α Ursae maj. Dekl.		418) χ Leonis AR.		418) χ Leonis Dekl.	
1928	10h 59m		+62° 7′		11h 1m		+7° 43′	
Jan. 1	18.15	57	73.63	21	17.808	308	35.05	181
11	18.72	51	73.84	78	18.116	279	33.24	161
21	19.23	45	74.62	130	18.395	243	31.63	136
31	19.68	37	75.92	177	18.638	199	30.27	107
Feb. 10	20.05	28	77.69	214	18.837	153	29.20	79
20	20.33	18	79.83	243	18.990	107	28.41	51
März 1	7 20.51	8	82.26	261	7 19.097	61	27.90	24
10	20.59	1	84.87	265	19.158	20	27.66	1
20	20.58	9	87.52	262	19.178	17	27.65	20
30	20.49	17	90.14	246	19.161	47	27.85	36
Apr. 9	20.32	22	92.60	220	19.114	71	28.21	48
19	20.10	27	94.80	187	19.043	89	28.69	57
29	19.83	30	96.67	149	18.954	100	29.26	63
Mai 9	19.53	33	98.16	104	18.854	105	29.89	64
19	19.20	33	99.20	57	18.749	107	30.53	65
29	18.87	32	99.77	8	18.642	103	31.18	63
Juni 8	18.55	30	99.85	40	18.539	97	31.81	59
18	18.25	28	99.45	86	18.442	88	32.40	54
28	17.97	25	98.59	132	18.354	75	32.94	46
Juli 8	17.72	20	97.27	173	18.279	60	33.40	38
18	17.52	15	95.54	211	18.219	44	33.78	27
28	17.37	11	93.43	245	18.175	24	34.05	15
Aug. 7	17.26	5	90.98	274	18.151	2	34.20	1
17	17.21	0	88.24	297	18.149	23	34.21	16
27	17.21	7	85.27	315	18.172	51	34.05	35
Sept. 6	17.28	14	82.12	328	18.223	82	33.70	56
16	17.42	20	78.84	334	18.305	116	33.14	78
26	17.62	27	75.50	334	18.421	151	32.36	102
Okt. 6	17.89	34	72.16	327	18.572	189	31.34	126
16	18.23	40	68.89	311	18.761	225	30.08	150
26	18.63	47	65.78	290	18.986	260	28.58	170
Nov. 5	19.10	52	62.88	260	19.246	291	26.88	189
15	19.62	57	60.28	222	19.537	316	24.99	202
25	20.19	60	58.06	179	19.853	333	22.97	210
Dez. 5	20.79	61	56.27	128	20.186	340	20.87	212
15	21.40	61	54.99	74	20.526	338	18.75	206
25	22.01	59	54.25	16	20.864	325	16.69	194
35	22.60		54.09		21.189		14.75	
Mittl. Ort	18.00		84.07		18.265		32.22	
sec δ, tg δ	2.140		+1.892		1.009		+0.136	

Tag	420) ψ Ursae maj.				421) β Crateris				422) δ Leonis				423) ϑ Leonis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1928	11h 5m		+44° 52′		11h 8m		−22° 25′		11h 10m		+20° 54′		11h 10m		+15° 49′	
Jan. 1	37.129	408	74.33	50	6.410	314	43.97	258	16.464	331	65.00	142	27.348	322	24.38	159
11	37.537	374	73.83	0	6.724	283	46.55	266	16.795	303	63.58	109	27.670	294	22.79	130
21	37.911	328	73.83	48	7.007	244	49.21	265	17.098	265	62.49	74	27.964	258	21.49	99
31	38.239	271	74.31	93	7.251	200	51.86	258	17.363	222	61.75	38	28.222	216	20.50	66
Febr. 10	38.510	210	75.24	132	7.451	152	54.44	246	17.585	174	61.37	3	28.438	168	19.84	34
20	38.720	146	76.56	165	7.603	105	56.90	227	17.759	124	61.34	28	28.606	121	19.50	3
März 1	3 38.866	82	78.21	188	9 7.708	60	59.17	206	10 17.883	76	61.62	56	10 28.727	74	19.47	25
10	38.948	21	80.09	202	7.768	17	61.23	181	17.959	31	62.18	77	28.801	30	19.72	48
20	38.969	34	82.11	207	7.785	20	63.04	154	17.990	9	62.95	94	28.831	8	20.20	66
30	38.935	81	84.18	203	7.765	51	64.58	127	17.981	43	63.89	103	28.823	41	20.86	78
April 9	38.854	119	86.21	190	7.714	76	65.85	99	17.938	71	64.92	108	28.782	67	21.64	87
19	38.735	149	88.11	170	7.638	96	66.84	70	17.867	91	66.00	107	28.715	86	22.51	89
29	38.586	168	89.81	144	7.542	110	67.54	42	17.776	105	67.07	102	28.629	100	23.40	87
Mai 9	38.418	179	91.25	113	7.432	118	67.96	14	17.671	112	68.09	91	28.529	107	24.27	83
19	38.239	183	92.38	79	7.314	122	68.10	13	17.559	115	69.00	79	28.422	110	25.10	75
29	38.056	179	93.17	42	7.192	123	67.97	39	17.444	113	69.79	64	28.312	107	25.85	65
Juni 8	37.877	169	93.59	5	7.069	119	67.58	63	17.331	107	70.43	47	28.205	102	26.50	53
18	37.708	153	93.64	32	6.950	113	66.95	87	17.224	97	70.90	29	28.103	93	27.03	39
28	37.555	134	93.32	69	6.837	102	66.08	107	17.127	85	71.19	9	28.010	81	27.42	24
Juli 8	37.421	111	92.63	105	6.735	89	65.01	124	17.042	70	71.28	10	27.929	67	27.66	9
18	37.310	84	91.58	138	6.646	72	63.77	137	16.972	52	71.18	30	27.862	51	27.75	8
28	37.226	53	90.20	168	6.574	52	62.40	145	16.920	32	70.88	51	27.811	31	27.67	25
Aug. 7	37.173	21	88.52	196	6.522	28	60.95	149	16.888	9	70.37	72	27.780	9	27.42	44
17	37.152	16	86.56	222	6.494	0	59.46	145	16.879	17	69.65	93	27.771	16	26.98	63
27	37.168	54	84.34	243	6.494	32	58.01	136	16.896	46	68.72	114	27.787	44	26.35	84
Sept. 6	37.222	97	81.91	261	6.526	68	56.65	119	16.942	78	67.58	135	27.831	76	25.51	106
16	37.319	142	79.30	274	6.594	107	55.46	97	17.020	113	66.23	156	27.907	110	24.45	127
26	37.461	188	76.56	284	6.701	147	54.49	67	17.133	151	64.67	176	28.017	146	23.18	148
Okt. 6	37.649	236	73.72	287	6.848	189	53.82	33	17.284	189	62.91	193	28.163	185	21.70	168
16	37.885	283	70.85	285	7.037	230	53.49	6	17.473	228	60.98	208	28.348	223	20.02	187
26	38.168	329	68.00	277	7.267	268	53.55	48	17.701	265	58.90	219	28.571	260	18.15	202
Nov. 5	38.497	369	65.23	261	7.535	301	54.03	90	17.966	299	56.71	225	28.831	292	16.13	213
15	38.866	402	62.62	238	7.836	328	54.93	131	18.265	327	54.46	226	29.123	320	14.00	218
25	39.268	427	60.24	208	8.164	344	56.24	170	18.592	347	52.20	220	29.443	339	11.82	218
Dez. 5	39.695	440	58.16	171	8.508	352	57.94	204	18.939	357	50.00	207	29.782	349	9.64	211
15	40.135	440	56.45	129	8.860	347	59.98	231	19.296	358	47.93	187	30.131	349	7.53	196
25	40.575	427	55.16	81	9.207	332	62.29	252	19.654	346	46.06	162	30.480	337	5.57	176
35	41.002		54.35		9.539		64.81		20.000		44.44		30.817		3.81	
Mittl. Ort	37.404		81.92		6.867		56.66		16.938		66.36		27.838		24.18	
sec δ, tg δ	1.411		+0.996		1.082		−0.413		1.071		+0.382		1.039		+0.283	

Tag	425) ν Ursae maj. AR.		425) ν Ursae maj. Dekl.		426) δ Crateris AR.		426) δ Crateris Dekl.		427) σ Leonis AR.		427) σ Leonis Dekl.		428) π Centauri AR.		428) π Centauri Dekl.	
1928	11ʰ 14ᵐ		+33° 28′		11ʰ 15ᵐ		−14° 23′		11ʰ 17ᵐ		+6° 25′		11ʰ 17ᵐ		−54° 5′	
Jan. 1	35.272	364	69.55	100	43.824	311	9.17	241	24.944	315	30.24	190	42.751	424	25.00	271
11	35.636	334	68.55	57	44.135	284	11.58	241	25.259	288	28.34	171	43.175	379	27.71	306
21	35.970	295	67.98	14	44.419	247	13.99	234	25.547	254	26.63	146	43.554	323	30.77	332
31	36.265	248	67.84	28	44.666	204	16.33	222	25.801	213	25.17	119	43.877	260	34.09	349
Feb. 10	36.513	195	68.12	67	44.870	160	18.55	204	26.014	168	23.98	90	44.137	195	37.58	356
20	36.708	140	68.79	101	45.030	115	20.59	184	26.182	122	23.08	62	44.332	127	41.14	355
März 1	36.848	86	69.80	128	45.145	70	22.43	160	26.304	78	22.46	34	44.459	62	44.69	345
11	36.934	35	71.08	148	45.215	29	24.03	135	26.382	36	22.12	9	44.521	1	48.14	329
20	36.969	11	72.56	159	45.244	7	25.38	109	26.418	1	22.03	12	44.522	56	51.43	306
30	36.958	51	74.15	163	45.237	38	26.47	85	26.417	32	22.15	30	44.466	104	54.49	277
Apr. 9	36.907	83	75.78	159	45.199	63	27.32	60	26.385	57	22.45	44	44.362	148	57.26	244
19	36.824	108	77.37	149	45.136	82	27.92	36	26.328	77	22.89	54	44.214	183	59.70	207
29	36.716	126	78.86	133	45.054	96	28.28	14	26.251	90	23.43	60	44.031	212	61.77	165
Mai 9	36.590	135	80.19	112	44.958	105	28.42	8	26.161	98	24.03	64	43.819	234	63.42	121
19	36.455	139	81.31	87	44.853	109	28.34	28	26.063	102	24.67	66	43.585	249	64.63	76
29	36.316	138	82.18	61	44.744	109	28.06	46	25.961	101	25.33	64	43.336	257	65.39	29
Juni 8	36.178	131	82.79	32	44.635	107	27.60	64	25.860	98	25.97	61	43.079	259	65.68	18
18	36.047	120	83.11	3	44.528	102	26.96	80	25.762	91	26.58	57	42.820	254	65.50	65
28	35.927	107	83.14	26	44.426	93	26.16	92	25.671	81	27.15	50	42.566	243	64.85	109
Juli 8	35.820	89	82.88	55	44.333	81	25.24	103	25.590	69	27.65	42	42.323	224	63.76	150
18	35.731	69	82.33	84	44.252	66	24.21	109	25.521	55	28.07	33	42.099	197	62.26	187
28	35.662	45	81.49	112	44.186	48	23.12	112	25.466	37	28.40	20	41.902	164	60.39	217
Aug. 7	35.617	20	80.37	137	44.138	26	22.00	111	25.429	16	28.60	6	41.738	122	58.22	240
17	35.597	10	79.00	162	44.112	0	20.89	105	25.413	8	28.66	10	41.616	74	55.82	256
27	35.607	42	77.38	185	44.112	28	19.84	92	25.421	35	28.56	29	41.542	18	53.26	261
Sept. 6	35.649	77	75.53	205	44.140	62	18.92	75	25.456	65	28.27	49	41.524	44	50.65	258
16	35.726	116	73.48	223	44.202	98	18.17	52	25.521	100	27.78	72	41.568	108	48.07	243
26	35.842	157	71.25	239	44.300	137	17.65	24	25.621	136	27.06	97	41.676	176	45.64	218
Okt. 6	35.999	200	68.86	250	44.437	177	17.41	7	25.757	174	26.09	121	41.852	244	43.46	183
16	36.199	242	66.36	256	44.614	217	17.48	43	25.931	212	24.88	145	42.096	308	41.63	140
26	36.441	283	63.80	258	44.831	255	17.91	79	26.143	249	23.43	168	42.404	365	40.23	89
Nov. 5	36.724	320	61.22	253	45.086	288	18.70	116	26.392	282	21.75	188	42.769	415	39.34	33
15	37.044	352	58.69	242	45.374	314	19.86	150	26.674	309	19.87	203	43.184	451	39.01	27
25	37.396	374	56.27	222	45.688	334	21.36	181	26.983	329	17.84	212	43.635	474	39.28	87
Dez. 5	37.770	388	54.05	197	46.022	342	23.17	207	27.312	340	15.72	216	44.109	482	40.15	145
15	38.158	390	52.08	165	46.364	340	25.24	227	27.652	340	13.56	212	44.591	474	41.60	199
25	38.548	378	50.43	127	46.704	328	27.51	238	27.992	329	11.44	202	45.065	449	43.59	247
35	38.926		49.16		47.032		29.89		28.321		9.42		45.514		46.06	
Mittl. Ort	35.704		74.56		44.353		19.33		25.488		27.05		43.012		46.51	
sec δ, tg δ	1.199		+0.662		1.032		−0.256		1.006		+0.113		1.705		−1.381	

Tag	429) Grb 1771 AR.	Diff.	429) Grb 1771 Dekl.	Diff.	433) λ Draconis AR.	Diff.	433) λ Draconis Dekl.	Diff.	434) ξ Hydrae AR.	Diff.	434) ξ Hydrae Dekl.	Diff.	436) λ Centauri AR.	Diff.	436) λ Centauri Dekl.	Diff.
1928	11h 18m		+64° 42'		11h 27m		+69° 43'		11h 29m		−31° 27'		11h 32m		−62° 36'	
Jan. 1	35.67 s	62	77.96 "	6	9.28 s	76	30.90 "	10	26.809 s	340	16.97 "	259	26.75 s	52	53.31 "	250
11	36.29	58	78.02	65	10.04	70	31.00	71	27.149	310	19.56	276	27.27	47	55.81	292
21	36.87	51	78.67	120	10.74	62	31.71	129	27.459	272	22.32	286	27.74	41	58.73	326
31	37.38	43	79.87	171	11.36	52	33.00	181	27.731	228	25.18	288	28.15	34	61.99	350
Feb. 10	37.81	33	81.58	213	11.88	42	34.81	224	27.959	179	28.06	283	28.49	26	65.49	364
20	38.14	23	83.71	245	12.30	30	37.05	257	28.138	131	30.89	270	28.75	17	69.13	372
März 1	38.37	13	86.16	267	12.60	17	39.62	280	28.269	82	33.59	254	28.92	10	72.85	368
11	(12) 38.50	3	88.83	277	(14) 12.77	4	42.42	289	(15) 28.351	38	36.13	233	(15) 29.02	1	76.53	358
20	38.53	6	91.60	274	12.81	7	45.31	288	28.389	2	38.46	207	29.03	5	80.11	339
30	38.47	15	94.34	262	12.74	18	48.19	274	28.387	37	40.53	181	28.98	12	83.50	315
Apr. 9	38.32	22	96.96	239	12.56	27	50.93	250	28.350	67	42.34	151	28.86	18	86.65	284
19	38.10	28	99.35	207	12.29	35	53.43	217	28.283	91	43.85	120	28.68	22	89.49	248
29	37.82	32	101.42	168	11.94	40	55.60	177	28.192	110	45.05	88	28.46	27	91.97	207
Mai 9	37.50	35	103.10	124	11.54	45	57.37	130	28.082	123	45.93	56	28.19	31	94.04	164
19	37.15	37	104.34	77	11.09	47	58.67	80	27.959	133	46.49	23	27.88	33	95.68	116
29	36.78	37	105.11	27	10.62	47	59.47	28	27.826	138	46.72	10	27.55	35	96.84	67
Juni 8	36.41	35	105.38	24	10.15	47	59.75	24	27.688	139	46.62	41	27.20	35	97.51	16
18	36.06	33	105.14	73	9.68	44	59.51	76	27.549	136	46.21	72	26.85	36	97.67	34
28	35.73	30	104.41	121	9.24	41	58.75	127	27.413	130	45.49	100	26.49	35	97.33	84
Juli 8	35.43	26	103.20	165	8.83	36	57.48	173	27.283	119	44.49	125	26.14	32	96.49	130
18	35.17	22	101.55	207	8.47	31	55.75	217	27.164	105	43.24	146	25.82	30	95.19	173
28	34.95	17	99.48	243	8.16	25	53.58	255	27.059	86	41.78	163	25.52	26	93.46	211
Aug. 7	34.78	10	97.05	275	7.91	17	51.03	288	26.973	61	40.15	173	25.26	21	91.35	240
17	34.68	5	94.30	303	7.74	9	48.15	316	26.912	32	38.42	178	25.05	14	88.95	264
27	34.63	2	91.27	323	7.65	2	44.99	338	26.880	3	36.64	175	24.91	7	86.31	276
Sept. 6	34.65	10	88.04	339	7.63	7	41.61	353	26.883	41	34.89	164	24.84	1	83.55	279
16	34.75	17	84.65	347	7.70	17	38.08	362	26.924	85	33.25	145	24.85	9	80.76	271
26	34.92	24	81.18	349	7.87	26	34.46	363	27.009	130	31.80	119	24.94	18	78.05	251
Okt. 6	35.16	32	77.69	344	8.13	35	30.83	356	27.139	177	30.61	86	25.12	26	75.54	221
16	35.48	39	74.25	331	8.48	45	27.27	343	27.316	224	29.75	47	25.38	35	73.33	181
26	35.87	47	70.94	310	8.93	53	23.84	319	27.540	267	29.28	3	25.73	43	71.52	133
Nov. 5	36.34	53	67.84	281	9.46	61	20.65	289	27.807	307	29.25	43	26.16	49	70.19	77
15	36.87	58	65.03	244	10.07	69	17.76	250	28.114	338	29.68	91	26.65	53	69.42	16
25	37.45	63	62.59	200	10.76	73	15.26	203	28.452	359	30.59	137	27.18	57	69.26	46
Dez. 5	38.08	65	60.59	148	11.49	77	13.23	150	28.811	371	31.96	178	27.75	59	69.72	108
15	38.73	66	59.11	93	12.26	79	11.73	92	29.182	370	33.74	215	28.34	58	70.80	166
25	39.39	65	58.18	34	13.05	77	10.81	30	29.552	357	35.89	246	28.92	55	72.46	222
35	40.04		57.84		13.82		10.51		29.909		38.35		29.47		74.68	
Mittl. Ort	35.58		89.30		9.04		43.02		27.387		32.71		27.04		76.81	
sec δ, tg δ	2.342		+2.118		2.886		+2.707		1.172		−0.612		2.174		−1.931	

Tag	437) υ Leonis AR.		Dekl.		440) 3 Draconis AR.		Dekl.	
1928	11h 33m		−0° 25′		11h 38m		+67° 8′	
Jan. 1	15.090	318	28.72	211	28.39	68	24.69	13
11	15.408	293	30.83	198	29.07	64	24.56	48
21	15.701	261	32.81	179	29.71	58	25.04	107
31	15.962	223	34.60	157	30.29	50	26.11	161
Feb. 10	16.185	179	36.17	131	30.79	40	27.72	207
20	16.364	136	37.48	105	31.19	30	29.79	244
März 1	16.500	92	38.53	78	31.49	18	32.23	270
11	15 16.592	51	39.31	52	17 31.67	7	34.93	283
20	16.643	15	39.83	29	31.74	3	37.76	285
30	16.658	17	40.12	8	31.71	13	40.61	276
Apr. 9	16.641	43	40.20	9	31.58	21	43.37	255
19	16.598	64	40.11	25	31.37	28	45.92	226
29	16.534	79	39.86	37	31.09	34	48.18	189
Mai 9	16.455	90	39.49	47	30.75	38	50.07	145
19	16.365	96	39.02	54	30.37	40	51.52	97
29	16.269	98	38.48	60	29.97	41	52.49	47
Juni 8	16.171	97	37.88	63	29.56	41	52.96	5
18	16.074	94	37.25	64	29.15	39	52.91	57
28	15.980	87	36.61	64	28.76	37	52.34	107
Juli 8	15.893	78	35.97	61	28.39	33	51.27	154
18	15.815	66	35.36	57	28.06	29	49.73	198
28	15.749	50	34.79	50	27.77	23	47.75	239
Aug. 7	15.699	32	34.29	39	27.54	18	45.36	273
17	15.667	9	33.90	26	27.36	11	42.63	303
27	15.658	18	33.64	10	27.25	3	39.60	328
Sept. 6	15.676	48	33.54	9	27.22	4	36.32	346
16	15.724	82	33.63	32	27.26	12	32.86	358
26	15.806	120	33.95	58	27.38	20	29.28	362
Okt. 6	15.926	159	34.53	84	27.58	29	25.66	360
16	16.085	198	35.37	112	27.87	38	22.06	348
26	16.283	236	36.49	140	28.25	46	18.58	329
Nov. 5	16.519	272	37.89	165	28.71	53	15.29	302
15	16.791	302	39.54	186	29.24	61	12.27	266
25	17.093	323	41.40	204	29.85	65	9.61	222
Dez. 5	17.416	336	43.44	215	30.50	69	7.39	170
15	17.752	339	45.59	220	31.19	71	5.69	114
25	18.091	331	47.79	218	31.90	70	4.55	54
35	18.422		49.97		32.60		4.01	
Mittl. Ort	15.729		34.16		28.39		36.83	
sec δ, tg δ	1.000		−0.007		2.575		+2.373	

Tag	441) χ Ursae maj. AR.		Dekl.		444) β Leonis AR.		Dekl.	
1928	11h 42m		+48° 10′		11h 45m		+14° 58′	
Jan. 1	14.896	443	34.00	77	22.646	333	28.72	179
11	15.339	415	33.23	24	22.979	311	26.93	149
21	15.754	375	32.99	30	23.290	280	25.44	118
31	16.129	325	33.29	80	23.570	242	24.26	84
Feb. 10	16.454	266	34.09	127	23.812	199	23.42	49
20	16.720	201	35.36	166	24.011	154	22.93	16
März 1	16.921	135	37.02	197	24.165	109	22.77	15
11	18 17.056	71	38.99	217	19 24.274	65	22.92	41
20	17.127	10	41.16	228	24.339	26	23.33	62
30	17.137	43	43.44	229	24.365	9	23.95	78
Apr. 9	17.094	91	45.73	221	24.356	37	24.73	90
19	17.003	128	47.94	203	24.319	61	25.63	95
29	16.875	157	49.97	178	24.258	79	26.58	95
Mai 9	16.718	179	51.75	147	24.179	92	27.53	92
19	16.539	191	53.22	112	24.087	99	28.45	86
29	16.348	196	54.34	74	23.988	103	29.31	76
Juni 8	16.152	195	55.08	33	23.885	104	30.07	63
18	15.957	187	55.41	8	23.781	101	30.70	50
28	15.770	174	55.33	50	23.680	95	31.20	35
Juli 8	15.596	157	54.83	90	23.585	86	31.55	18
18	15.439	135	53.93	128	23.499	75	31.73	0
28	15.304	108	52.65	165	23.424	60	31.73	18
Aug. 7	15.196	78	51.00	198	23.364	41	31.55	38
17	15.118	43	49.02	229	23.323	19	31.17	59
27	15.075	4	46.73	255	23.304	7	30.58	80
Sept. 6	15.071	40	44.18	277	23.311	38	29.78	103
16	15.111	88	41.41	296	23.349	71	28.75	126
26	15.199	138	38.45	309	23.420	109	27.49	149
Okt. 6	15.337	191	35.36	316	23.529	149	26.00	170
16	15.528	245	32.20	316	23.678	190	24.30	191
26	15.773	298	29.04	310	23.868	230	22.39	208
Nov. 5	16.071	347	25.94	296	24.098	268	20.31	221
15	16.418	390	22.98	274	24.366	300	18.10	229
25	16.808	425	20.24	244	24.666	326	15.81	230
Dez. 5	17.233	448	17.80	206	24.992	342	13.51	226
15	17.681	459	15.74	162	25.334	348	11.25	214
25	18.140	455	14.12	113	25.682	344	9.11	194
35	18.595		12.99		26.026		7.17	
Mittl. Ort	15.356		43.11		23.325		28.58	
sec δ, tg δ	1.500		+1.118		1.035		+0.267	

Tag	445) β Virginis AR.		445) β Virginis Dekl.		447) γ Ursae maj. AR.		447) γ Ursae maj. Dekl.	
1928	11h 46m		+2° 9′		11h 50m		+54° 5′	
Jan. 1	55.973	324	78.21	207	2.694	492	31.65	68
11	56.297	303	76.14	193	3.186	466	30.97	11
21	56.600	273	74.21	172	3.652	423	30.86	46
31	56.873	236	72.49	147	4.075	368	31.32	99
Feb. 10	57.109	194	71.02	121	4.443	305	32.31	148
20	57.303	151	69.81	92	4.748	233	33.79	188
März 1	57.454	108	68.89	64	4.981	159	35.67	220
11	57.562	67	68.25	38	5.140	87	37.87	240
20*)	[19] 57.629	30	67.87	14	[20] 5.227	17	40.27	251
30	57.659	2	67.73	6	5.244	46	42.78	250
Apr. 9	57.657	30	67.79	23	5.198	101	45.28	240
19	57.627	52	68.02	36	5.097	147	47.68	220
29	57.575	69	68.38	47	4.950	184	49.88	192
Mai 9	57.506	82	68.85	55	4.766	210	51.80	158
19	57.424	89	69.40	59	4.556	227	53.38	119
29	57.335	94	69.99	62	4.329	236	54.57	76
Juni 8	57.241	96	70.61	62	4.093	236	55.33	32
18	57.145	93	71.23	61	3.857	230	55.65	13
28	57.052	89	71.84	58	3.627	217	55.52	59
Juli 8	56.963	82	72.42	53	3.410	198	54.93	103
18	56.881	72	72.95	45	3.212	173	53.90	144
28	56.809	58	73.40	36	3.039	144	52.46	183
Aug. 7	56.751	40	73.76	25	2.895	109	50.63	219
17	56.711	19	74.01	10	2.786	70	48.44	251
27	56.692	7	74.11	7	2.716	24	45.93	279
Sept. 6	56.699	36	74.04	26	2.692	24	43.14	301
16	56.735	70	73.78	50	2.716	78	40.13	320
26	56.805	108	73.28	75	2.794	135	36.93	331
Okt. 6	56.913	147	72.53	100	2.929	195	33.62	337
16	57.060	188	71.53	126	3.124	255	30.25	335
26	57.248	227	70.27	152	3.379	316	26.90	326
Nov. 5	57.475	264	68.75	176	3.695	371	23.64	309
15	57.739	296	66.99	195	4.066	420	20.55	283
25	58.035	321	65.04	210	4.486	463	17.72	249
Dez. 5	58.356	336	62.94	219	4.949	491	15.23	207
15	58.692	341	60.75	221	5.440	505	13.16	159
25	59.033	336	58.54	216	5.945	503	11.57	106
35	59.369		56.38		6.448		10.51	
Mittl. Ort	56.688		73.73		3.128		42.09	
sec δ, tg δ	1.001		+0.038		1.705		+1.381	

Tag	450) o Virginis AR.		450) o Virginis Dekl.		452) δ Centauri AR.		452) δ Centauri Dekl.	
1928	12h 1m		+9° 7′		12h 4m		−50° 18′	
Jan. 1	31.748	331	59.88	197	36.252	437	56.02	228
11	32.079	312	57.91	175	36.689	406	58.30	265
21	32.391	284	56.16	147	37.095	365	60.95	295
31	32.675	249	54.69	117	37.460	315	63.90	315
Feb. 10	32.924	209	53.52	85	37.775	260	67.05	328
20	33.133	166	52.67	53	38.035	203	70.33	332
März 1	33.299	123	52.14	23	38.238	144	73.65	329
11	33.422	82	51.91	5	38.382	88	76.94	318
20*)	[23] 33.504	43	51.96	29	[23] 38.470	35	80.12	302
30	33.547	9	52.25	47	38.505	14	83.14	281
Apr. 9	33.556	20	52.72	62	38.491	57	85.95	254
19	33.536	45	53.34	73	38.434	96	88.49	223
29	33.491	63	54.07	78	38.338	130	90.72	189
Mai 9	33.428	77	54.85	80	38.208	158	92.61	151
19	33.351	88	55.65	78	38.050	181	94.12	110
29	33.263	95	56.43	74	37.869	200	95.22	69
Juni 8	33.168	98	57.17	68	37.669	213	95.91	26
18	33.070	98	57.85	59	37.456	219	96.17	17
28	32.972	96	58.44	49	37.237	221	96.00	61
Juli 8	32.876	90	58.93	37	37.016	216	95.39	101
18	32.786	81	59.30	23	36.800	203	94.38	137
28	32.705	69	59.53	8	36.597	183	93.01	171
Aug. 7	32.636	53	59.61	8	36.414	154	91.30	199
17	32.583	33	59.53	26	36.260	118	89.31	220
27	32.550	8	59.27	47	36.142	72	87.11	232
Sept. 6	32.542	21	58.80	69	36.070	21	84.79	235
16	32.563	54	58.11	91	36.049	38	82.44	230
26	32.617	91	57.20	115	36.087	102	80.14	214
Okt. 6	32.708	132	56.05	139	36.189	167	78.00	189
16	32.840	173	54.66	163	36.356	232	76.11	153
26	33.013	214	53.03	184	36.588	295	74.58	111
Nov. 5	33.227	254	51.19	203	36.883	352	73.47	61
15	33.481	288	49.16	216	37.235	398	72.86	9
25	33.769	315	47.00	225	37.633	433	72.77	47
Dez. 5	34.084	334	44.75	227	38.066	455	73.24	103
15	34.418	342	42.48	221	38.521	461	74.27	155
25	34.760	340	40.27	209	38.982	453	75.82	203
35	35.100		38.18		39.435		77.85	
Mittl. Ort	32.531		57.91		37.103		77.22	
sec δ, tg δ	1.013		+0.161		1.566		−1.205	

*) Bei Stern 450) und 452) lies März 21

Scheinbare Sternörter 1928

Tag	453) ε Corvi				454) 4 H. Draconis				456) δ Ursae maj.				459) β Chamael.			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1928	12h 6m		−22° 12′		12h 8m		+78° 0′		12h 11m		+57° 25′		12h 13m		−78° 54′	
Jan. 1	24.234	341	56.83	234	51.14	120	44.95	25	51.744	531	45.62	86	64.14	120	18.96	171
11	24.575	320	59.17	244	52.34	116	44.70	41	52.275	510	44.76	25	65.34	112	20.67	226
21	24.895	290	61.61	249	53.50	107	45.11	103	52.785	471	44.51	34	66.46	100	22.93	274
31	25.185	254	64.10	246	54.57	95	46.14	162	53.256	419	44.85	92	67.46	87	25.67	315
Feb. 10	25.439	213	66.56	237	55.52	79	47.76	212	53.675	355	45.77	144	68.33	71	28.82	346
20	25.652	169	68.93	223	56.31	62	49.88	254	54.030	283	47.21	188	69.04	54	32.28	368
März 1	25.821	126	71.16	204	56.93	43	52.42	284	54.313	205	49.09	225	69.58	38	35.96	382
11	25.947	85	73.20	184	57.36	22	55.26	302	54.518	127	51.34	249	69.96	20	39.78	386
21	26.032	46	75.04	162	57.58	2	58.28	307	54.645	51	53.83	264	70.16	3	43.64	383
30	[24] 26.078	11	76.66	137	[25] 57.60	17	61.35	300	[25] 54.696	20	56.47	266	[26] 70.19	14	47.47	371
Apr. 9	26.089	18	78.03	112	57.43	34	64.35	281	54.676	84	59.13	258	70.05	29	51.18	352
19	26.071	43	79.15	88	57.09	50	67.16	252	54.592	139	61.71	240	69.76	44	54.70	325
29	26.028	65	80.03	63	56.59	63	69.68	214	54.453	184	64.11	214	69.32	58	57.95	292
Mai 9	25.963	81	80.66	39	55.96	73	71.82	170	54.269	220	66.25	180	68.74	70	60.87	254
19	25.882	95	81.05	14	55.23	81	73.52	120	54.049	245	68.05	141	68.04	80	63.41	209
29	25.787	105	81.19	9	54.42	86	74.72	66	53.804	261	69.46	97	67.24	88	65.50	161
Juni 8	25.682	111	81.10	32	53.56	87	75.38	11	53.543	269	70.43	51	66.36	95	67.11	108
18	25.571	115	80.78	53	52.69	87	75.49	45	53.274	269	70.94	3	65.41	98	68.19	55
28	25.456	116	80.25	73	51.82	84	75.04	99	53.005	260	70.97	44	64.43	100	68.74	1
Juli 8	25.340	111	79.52	91	50.98	79	74.05	151	52.745	245	70.53	92	63.43	98	68.73	56
18	25.229	103	78.61	105	50.19	72	72.54	200	52.500	223	69.61	136	62.45	93	68.17	110
28	25.126	92	77.56	116	49.47	63	70.54	244	52.277	195	68.25	179	61.52	86	67.07	160
Aug. 7	25.034	76	76.40	123	48.84	52	68.10	284	52.082	161	66.46	218	60.66	75	65.47	204
17	24.958	53	75.17	125	48.32	41	65.26	317	51.921	120	64.28	254	59.91	61	63.43	242
27	24.905	25	73.92	121	47.91	28	62.09	345	51.801	75	61.74	284	59.30	45	61.01	271
Sept. 6	24.880	8	72.71	111	47.63	14	58.64	366	51.726	23	58.90	311	58.85	27	58.30	292
16	24.888	45	71.60	95	47.49	1	54.98	379	51.703	35	55.79	331	58.58	7	55.38	300
26	24.933	88	70.65	72	47.50	16	51.19	386	51.738	97	52.48	345	58.51	14	52.38	298
Okt. 6	25.021	133	69.93	44	47.66	33	47.33	383	51.835	162	49.03	353	58.65	36	49.40	282
16	25.154	179	69.49	12	47.99	49	43.50	374	51.997	230	45.50	353	59.01	57	46.58	256
26	25.333	224	69.37	25	48.48	65	39.76	354	52.227	298	41.97	346	59.58	77	44.02	218
Nov. 5	25.557	266	69.62	64	49.13	80	36.22	326	52.525	362	38.51	329	60.35	93	41.84	171
15	25.823	302	70.26	103	49.93	93	32.96	288	52.887	420	35.22	304	61.28	108	40.13	116
25	26.125	330	71.29	140	50.86	104	30.08	244	53.307	470	32.18	271	62.36	118	38.97	55
Dez. 5	26.455	348	72.69	174	51.90	114	27.64	190	53.777	508	29.47	228	63.54	124	38.42	9
15	26.803	356	74.43	203	53.04	119	25.74	131	54.285	530	27.19	179	64.78	126	38.51	74
25	27.159	352	76.46	225	54.23	121	24.43	67	54.815	537	25.40	124	66.04	124	39.25	136
35	27.511		78.71		55.44		23.76		55.352		24.16		67.28		40.61	
Mittl. Ort	25.099		69.71		50.83		58.63		52.295		57.04		65.14		45.07	
sec δ, tg δ	1.080		−0.408		4.816		+4.711		1.858		+1.566		5.200		−5.103	

Tag	460) η Virginis AR.		460) η Virginis Dekl.		462) α Crucis med. AR.		462) α Crucis med. Dekl.		466) 20 Comae AR.		466) 20 Comae Dekl.		465) δ Corvi AR.		465) δ Corvi Dekl.	
1928	12h 16m		−0° 15′		12h 22m		−62° 41′		12h 26m		+21° 17′		12h 26m		−16° 6′	
	s		″		s		″		s		″		s		″	
Jan. 1	12.406	330	55.38	214	33.96	58	38.48	192	5.472	351	38.11	185	7.175	338	42.50	224
11	12.736	313	57.52	202	34.54	54	40.40	239	5.823	336	36.26	150	7.513	323	44.74	230
21	13.049	287	59.54	184	35.08	49	42.79	279	6.159	313	34.76	112	7.836	297	47.04	228
31	13.336	255	61.38	161	35.57	43	45.58	312	6.472	280	33.64	73	8.133	264	49.32	221
Feb. 10	13.591	217	62.99	136	36.00	37	48.70	335	6.752	241	32.91	31	8.397	227	51.53	208
20	13.808	177	64.35	108	36.37	29	52.05	351	6.993	199	32.60	8	8.624	186	53.61	191
März 1	13.985	135	65.43	81	36.66	22	55.56	357	7.192	154	32.68	44	8.810	146	55.52	170
11	14.120	95	66.24	53	36.88	14	59.13	355	7.346	110	33.12	75	8.956	105	57.22	149
21	14.215	58	66.77	29	37.02	7	62.68	347	7.456	69	33.87	99	9.061	68	58.71	126
30	[26] 14.273	25	67.06	8	[28] 37.09	0	66.15	332	[29] 7.525	31	34.86	118	[29] 9.129	35	59.97	103
Apr. 9	14.298	4	67.14	11	37.09	7	69.47	309	7.556	2	36.04	129	9.164	4	61.00	81
19	14.294	29	67.03	27	37.02	12	72.56	282	7.554	31	37.33	134	9.168	21	61.81	59
29	14.265	49	66.76	39	36.90	18	75.38	249	7.523	55	38.67	133	9.147	44	62.40	38
Mai 9	14.216	65	66.37	49	36.72	23	77.87	211	7.468	74	40.00	126	9.103	63	62.78	18
19	14.151	78	65.88	55	36.49	26	79.98	170	7.394	89	41.26	114	9.040	77	62.96	0
29	14.073	87	65.33	59	36.23	30	81.68	125	7.305	99	42.40	100	8.963	89	62.96	18
Juni 8	13.986	93	64.74	61	35.93	33	82.93	77	7.206	107	43.40	82	8.874	98	62.78	34
18	13.893	96	64.13	62	35.60	34	83.70	28	7.099	110	44.22	61	8.776	104	62.44	49
28	13.797	96	63.51	60	35.26	35	83.98	21	6.989	111	44.83	38	8.672	108	61.95	63
Juli 8	13.701	94	62.91	57	34.91	35	83.77	70	6.878	108	45.21	15	8.564	107	61.32	75
18	13.607	88	62.34	51	34.56	34	83.07	116	6.770	102	45.36	9	8.457	104	60.57	84
28	13.519	79	61.83	44	34.22	31	81.91	159	6.668	92	45.27	35	8.353	95	59.73	90
Aug. 7	13.440	64	61.39	33	33.91	27	80.32	196	6.576	78	44.92	60	8.258	81	58.83	93
17	13.376	46	61.06	20	33.64	22	78.36	228	6.498	59	44.32	86	8.177	63	57.90	92
27	13.330	23	60.86	5	33.42	16	76.08	250	6.439	35	43.46	112	8.114	39	56.98	85
Sept. 6	13.307	6	60.81	13	33.26	9	73.58	264	6.404	6	42.34	138	8.075	9	56.13	75
16	13.313	39	60.94	35	33.17	1	70.94	268	6.398	28	40.96	162	8.066	27	55.38	58
26	13.352	76	61.29	59	33.16	8	68.26	261	6.426	67	39.34	186	8.093	66	54.80	36
Okt. 6	13.428	117	61.88	85	33.24	17	65.65	242	6.493	108	37.48	209	8.159	110	54.44	11
16	13.545	160	62.73	112	33.41	26	63.23	212	6.601	153	35.39	227	8.269	156	54.33	19
26	13.705	202	63.85	138	33.67	35	61.11	175	6.754	197	33.12	243	8.425	201	54.52	51
Nov. 5	13.907	242	65.23	164	34.02	44	59.36	127	6.951	240	30.69	254	8.626	244	55.03	86
15	14.149	278	66.87	185	34.46	50	58.09	73	7.191	280	28.15	258	8.870	282	55.89	120
25	14.427	308	68.72	204	34.96	55	57.36	15	7.471	313	25.57	256	9.152	313	57.09	152
Dez. 5	14.735	328	70.76	215	35.51	58	57.21	45	7.784	338	23.01	247	9.465	335	58.61	179
15	15.063	338	72.91	221	36.09	60	57.66	104	8.122	353	20.54	229	9.800	346	60.40	203
25	15.401	338	75.12	220	36.69	60	58.70	160	8.475	356	18.25	205	10.146	347	62.43	219
35	15.739		77.32		37.29		60.30		8.831		16.20		10.493		64.62	
Mittl. Ort	13.295		60.51		35.07		62.32		6.357		40.49		8.163		53.16	
sec δ, tg δ	1.000		−0.005		2.180		−1.937		1.073		+0.390		1.041		−0.289	

Scheinbare Sternörter 1928

Tag	470) 8 Canum ven. AR.	Diff.	470) Dekl.	Diff.	472) ϰ Draconis AR.	Diff.	472) Dekl.	Diff.	471) β Corvi AR.	Diff.	471) Dekl.	Diff.	473) 24 Comae sq. AR.	Diff.	473) Dekl.	Diff.
1928	$12^h\ 30^m$		$+41°\ 44'$		$12^h\ 30^m$		$+70°\ 10'$		$12^h\ 30^m$		$-22°\ 59'$		$12^h\ 31^m$		$+18°\ 46'$	
Jan. 1	18.857	411	45.91	146	24.70	78	52.21	76	34.994	350	42.70	223	30.266	347	21.91	192
11	19.268	398	44.45	94	25.48	76	51.45	11	35.344	333	44.93	235	30.613	334	19.99	160
21	19.666	371	43.51	40	26.24	71	51.34	53	35.677	307	47.28	241	30.947	310	18.39	124
31	20.037	335	43.11	12	26.95	65	51.87	114	35.984	274	49.69	241	31.257	280	17.15	85
Feb. 10	20.372	290	43.23	64	27.60	56	53.01	170	36.258	236	52.10	233	31.537	242	16.30	46
20	20.662	238	43.87	111	28.16	45	54.71	218	36.494	195	54.43	222	31.779	201	15.84	7
März 1	20.900	183	44.98	150	28.61	33	56.89	255	36.689	153	56.65	206	31.980	158	15.77	29
11	21.083	128	46.48	182	28.94	22	59.44	281	36.842	113	58.71	187	32.138	115	16.06	59
21	21.211	74	48.30	204	29.16	10	62.25	295	36.955	74	60.58	166	32.253	74	16.65	85
30	21.285	25	50.34	218	29.26	3	65.20	297	37.029	39	62.24	144	32.327	37	17.50	105
Apr. 9	21.310	20	52.52	220	29.23	13	68.17	287	37.068	8	63.68	120	32.364	4	18.55	117
19	21.290	59	54.72	214	29.10	23	71.04	267	37.076	20	64.88	97	32.368	24	19.72	124
29	21.231	93	56.86	201	28.87	31	73.71	236	37.056	43	65.85	74	32.344	48	20.96	125
Mai 9	21.138	119	58.87	179	28.56	38	76.07	198	37.013	64	66.59	50	32.296	67	22.21	121
19	21.019	139	60.66	152	28.18	43	78.05	154	36.949	80	67.09	27	32.229	83	23.42	112
29	20.880	154	62.18	121	27.75	47	79.59	105	36.869	94	67.36	4	32.146	94	24.54	98
Juni 8	20.726	163	63.39	85	27.28	50	80.64	54	36.775	105	67.40	18	32.052	102	25.52	83
18	20.563	168	64.24	48	26.78	50	81.18	0	36.670	113	67.22	39	31.950	107	26.35	64
28	20.395	167	64.72	9	26.28	49	81.18	53	36.557	118	66.83	60	31.843	108	26.99	45
Juli 8	20.228	162	64.81	31	25.79	47	80.65	106	36.439	118	66.23	77	31.735	107	27.44	22
18	20.066	153	64.50	70	25.32	45	79.59	155	36.321	115	65.46	93	31.628	102	27.66	0
28	19.913	138	63.80	108	24.87	40	78.04	202	36.206	106	64.53	105	31.526	93	27.66	23
Aug. 7	19.775	118	62.72	144	24.47	35	76.02	244	36.100	93	63.48	114	31.433	80	27.43	48
17	19.657	94	61.28	179	24.12	28	73.58	283	36.007	74	62.34	118	31.353	62	26.95	72
27	19.563	64	59.49	212	23.84	21	70.75	316	35.933	48	61.16	117	31.291	39	26.23	98
Sept. 6	19.499	28	57.37	240	23.63	13	67.59	342	35.885	17	59.99	110	31.252	11	25.25	122
16	19.471	13	54.97	266	23.50	4	64.17	363	35.868	21	58.89	97	31.241	22	24.03	148
26	19.484	58	52.31	288	23.46	5	60.54	376	35.889	63	57.92	78	31.263	61	22.55	172
Okt. 6	19.542	108	49.43	304	23.51	16	56.78	383	35.952	109	57.14	52	31.324	102	20.83	195
16	19.650	161	46.39	315	23.67	26	52.95	380	36.061	156	56.62	22	31.426	145	18.88	215
26	19.811	214	43.24	319	23.93	36	49.15	368	36.217	204	56.40	12	31.571	191	16.73	232
Nov. 5	20.025	265	40.05	316	24.29	47	45.47	348	36.421	249	56.52	50	31.762	234	14.41	246
15	20.290	313	36.89	305	24.76	56	41.99	319	36.670	289	57.02	87	31.996	273	11.95	252
25	20.603	355	33.84	285	25.32	64	38.80	280	36.959	321	57.89	124	32.269	307	9.43	253
Dez. 5	20.958	386	30.99	257	25.96	71	36.00	233	37.280	345	59.13	159	32.576	333	6.90	246
15	21.344	407	28.42	221	26.67	75	33.67	178	37.625	357	60.72	188	32.909	347	4.44	231
25	21.751	414	26.21	177	27.42	78	31.89	118	37.982	357	62.60	212	33.256	352	2.13	211
35	22.165		24.44		28.20		30.71		38.339		64.72		33.608		0.02	
Mittl. Ort	19.679		54.26		25.18		65.63		36.033		55.69		31.190		23.52	
sec δ, tg δ	1.340		+0.893		2.950		+2.775		1.086		−0.424		1.056		+0.340	

Tag	474) α Muscae				476) γ Centauri			
	AR.		Dekl.		AR.		Dekl.	
1928	$12^{h}\,32^{m}$		$-68^{\circ}\,43'$		$12^{h}\,37^{m}$		$-48^{\circ}\,33'$	
Jan. 1	50.92	71	56.32	168	30.937	442	32.11	196
11	51.63	67	58.00	219	31.379	421	34.07	234
21	52.30	62	60.19	264	31.800	389	36.41	265
31	52.92	55	62.83	302	32.189	347	39.06	288
Feb. 10	53.47	46	65.85	331	32.536	300	41.94	304
20	53.93	38	69.16	351	32.836	248	44.98	312
März 1	54.31	29	72.67	364	33.084	194	48.10	312
11	54.60	19	76.31	367	33.278	141	51.22	306
21	54.79	10	79.98	363	33.419	91	54.28	295
31	54.89	2	83.61	351	33.510	43	57.23	278
Apr. 9	54.91	7	87.12	333	33.553	2	60.01	256
19	54.84	15	90.45	308	33.551	42	62.57	230
29	54.69	22	93.53	277	33.509	78	64.87	200
Mai 9	54.47	28	96.30	240	33.431	111	66.87	167
19	54.19	34	98.70	199	33.320	139	68.54	132
29	53.85	39	100.69	154	33.181	163	69.86	93
Juni 8	53.46	43	102.23	106	33.018	184	70.79	54
18	53.03	46	103.29	55	32.834	198	71.33	13
28	52.57	47	103.84	3	32.636	207	71.46	27
Juli 8	52.10	47	103.87	49	32.429	210	71.19	67
18	51.63	46	103.38	98	32.219	207	70.52	105
28	51.17	43	102.40	145	32.012	195	69.47	139
Aug. 7	50.74	38	100.95	188	31.817	174	68.08	168
17	50.36	32	99.07	224	31.643	146	66.40	192
27	50.04	25	96.83	252	31.497	107	64.48	210
Sept. 6	49.79	16	94.31	271	31.390	61	62.38	218
16	49.63	5	91.60	280	31.329	7	60.20	217
26	49.58	6	88.80	278	31.322	54	58.03	208
Okt. 6	49.64	18	86.02	264	31.376	118	55.95	189
16	49.82	29	83.38	239	31.494	184	54.06	161
26	50.11	40	80.99	203	31.678	250	52.45	124
Nov. 5	50.51	51	78.96	158	31.928	310	51.21	80
15	51.02	59	77.38	106	32.238	363	50.41	32
25	51.61	66	76.32	47	32.601	406	50.09	20
Dez. 5	52.27	71	75.85	13	33.007	435	50.29	72
15	52.98	73	75.98	74	33.442	451	51.01	123
25	53.71	73	76.72	134	33.893	452	52.24	171
35	54.44		78.06		34.345		53.95	
Mittl. Ort	52.30		81.09		32.153		52.70	
sec δ, tg δ	2.758		—2.570		1.511		—1.133	

Tag	478) 76 Ursae maj.				481) β Crucis			
	AR.		Dekl.		AR.		Dekl.	
1928	$12^{h}\,38^{m}$		$+63^{\circ}\,5'$		$12^{h}\,43^{m}$		$-59^{\circ}\,17'$	
Jan. 1	24.93	61	76.64	105	28.617	543	20.74	172
11	25.54	60	75.59	42	29.160	518	22.46	218
21	26.14	56	75.17	21	29.678	481	24.64	259
31	26.70	51	75.38	83	30.159	432	27.23	291
Feb. 10	27.21	45	76.21	140	30.591	374	30.14	315
20	27.66	37	77.61	190	30.965	310	33.29	332
März 1	28.03	28	79.51	230	31.275	244	36.61	340
11	28.31	20	81.81	260	31.519	178	40.01	341
21	28.51	10	84.41	279	31.697	113	43.42	334
31	28.61	1	87.20	285	31.810	52	46.76	322
Apr. 9	28.62	6	90.05	281	31.862	8	49.98	302
19	28.56	14	92.86	265	31.854	62	53.00	278
29	28.42	20	95.51	239	31.792	113	55.78	249
Mai 9	28.22	25	97.90	207	31.679	158	58.27	215
19	27.97	29	99.97	167	31.521	198	60.42	177
29	27.68	32	101.64	122	31.323	234	62.19	135
Juni 8	27.36	34	102.86	74	31.089	264	63.54	91
18	27.02	35	103.60	24	30.825	285	64.45	44
28	26.67	34	103.84	27	30.540	299	64.89	2
Juli 8	26.33	34	103.57	78	30.241	305	64.87	49
18	25.99	32	102.79	127	29.936	300	64.38	94
28	25.67	29	101.52	174	29.636	285	63.44	136
Aug. 7	25.38	26	99.78	216	29.351	259	62.08	174
17	25.12	21	97.62	256	29.092	219	60.34	206
27	24.91	16	95.06	291	28.873	170	58.28	230
Sept. 6	24.75	10	92.15	320	28.703	108	55.98	247
16	24.65	4	88.95	344	28.595	37	53.51	253
26	24.61	4	85.51	361	28.558	41	50.98	249
Okt. 6	24.65	12	81.90	372	28.599	125	48.49	235
16	24.77	19	78.18	373	28.724	211	46.14	210
26	24.96	28	74.45	368	28.935	294	44.04	175
Nov. 5	25.24	36	70.77	353	29.229	370	42.29	131
15	25.60	43	67.24	328	29.599	437	40.98	82
25	26.03	50	63.96	295	30.036	492	40.16	28
Dez. 5	26.53	55	61.01	252	30.528	530	39.88	30
15	27.08	59	58.49	202	31.058	551	40.18	87
25	27.67	60	56.47	145	31.609	554	41.05	142
35	28.27		55.02		32.163		42.47	
Mittl. Ort	25.63		89.30		30.020		43.71	
sec δ, tg δ	2.211		+1.972		1.958		—1.684	

Scheinbare Sternörter 1928

Tag	482) *n* Centauri AR.		482) Dekl.		483) ε Ursae maj. AR.		483) Dekl.	
1928	12h 49m	Diff.	−39° 46′	Diff.	12h 50m	Diff.	+56° 20′	Diff.
Jan. 1	25.178	400	57.95	196	51.162	516	49.47	137
11	25.578	385	59.91	227	51.678	508	48.10	77
21	25.963	359	62.18	250	52.186	483	47.33	14
31	26.322	325	64.68	267	52.669	444	47.19	47
Feb. 10	26.647	284	67.35	278	53.113	392	47.66	104
20	26.931	240	70.13	280	53.505	330	48.70	157
März 1	27.171	194	72.93	275	53.835	261	50.27	200
11	27.365	148	75.68	267	54.096	189	52.27	234
21	27.513	103	78.35	254	54.285	116	54.61	257
31	27.616	63	80.89	236	54.401	46	57.18	270
Apr. 9	27.679	24	83.25	214	54.447	20	59.88	270
19	27.703	11	85.39	191	54.427	78	62.58	261
29	27.692	42	87.30	163	54.349	129	65.19	242
Mai 9	27.650	71	88.93	135	54.220	172	67.61	214
19	27.579	96	90.28	104	54.048	208	69.75	179
29	27.483	118	91.32	72	53.840	234	71.54	140
Juni 8	27.365	136	92.04	39	53.606	253	72.94	96
18	27.229	150	92.43	4	53.353	264	73.90	50
28	27.079	161	92.47	29	53.089	267	74.40	1
Juli 8	26.918	166	92.18	62	52.822	263	74.41	47
18	26.752	166	91.56	92	52.559	253	73.94	95
28	26.586	159	90.64	121	52.306	236	72.99	141
Aug. 7	26.427	144	89.43	144	52.070	211	71.58	184
17	26.283	123	87.99	163	51.859	179	69.74	224
27	26.160	93	86.36	175	51.680	141	67.50	261
Sept. 6	26.067	56	84.61	181	51.539	94	64.89	293
16	26.011	11	82.80	178	51.445	42	61.96	320
26	26.000	41	81.02	167	51.403	18	58.76	340
Okt. 6	26.041	96	79.35	148	51.421	82	55.36	356
16	26.137	155	77.87	121	51.503	150	51.80	364
26	26.292	212	76.66	86	51.653	220	48.16	363
Nov. 5	26.504	268	75.80	47	51.873	289	44.53	355
15	26.772	316	75.33	2	52.162	355	40.98	336
25	27.088	357	75.31	44	52.517	412	37.62	308
Dez. 5	27.445	386	75.75	91	52.929	459	34.54	272
15	27.831	404	76.66	134	53.388	495	31.82	227
25	28.235	408	78.00	175	53.883	514	29.55	174
35	28.643		79.75		54.397		27.81	
Mittl. Ort	26.448		75.99		52.038		61.16	
sec δ, tg δ	1.301		−0.833		1.805		+1.502	

Tag	484) δ Virginis AR.		484) Dekl.		486) 8 Draconis AR.		486) Dekl.	
1928	12h 51m	Diff.	+3° 46′	Diff.	12h 52m	Diff.	+65° 49′	Diff.
Jan. 1	57.461	334	81.19	214	36.09	66	30.47	118
11	57.795	324	79.05	198	36.75	65	29.29	53
21	58.119	305	77.07	176	37.40	62	28.76	12
31	58.424	278	75.31	150	38.02	57	28.88	75
Feb. 10	58.702	245	73.81	121	38.59	51	29.63	134
20	58.947	207	72.60	90	39.10	43	30.97	186
März 1	59.154	169	71.70	60	39.53	33	32.83	230
11	59.323	131	71.10	30	39.86	24	35.13	262
21	59.454	94	70.80	4	40.10	14	37.75	283
31	59.548	59	70.76	18	40.24	4	40.58	292
Apr. 9	59.607	28	70.94	37	40.28	5	43.50	289
19	59.635	2	71.31	51	40.23	13	46.39	276
29	59.637	22	71.82	62	40.10	21	49.15	253
Mai 9	59.615	43	72.44	69	39.89	27	51.68	219
19	59.572	59	73.13	72	39.62	32	53.87	181
29	59.513	74	73.85	73	39.30	35	55.68	136
Juni 8	59.439	85	74.58	70	38.95	38	57.04	87
18	59.354	95	75.28	65	38.57	40	57.91	37
28	59.259	100	75.93	59	38.17	40	58.28	16
Juli 8	59.159	103	76.52	51	37.77	40	58.12	68
18	59.056	102	77.03	41	37.37	38	57.44	118
28	58.954	98	77.44	29	36.99	35	56.26	167
Aug. 7	58.856	89	77.73	16	36.64	32	54.59	211
17	58.767	74	77.89	0	36.32	27	52.48	253
27	58.693	54	77.89	18	36.05	22	49.95	290
Sept. 6	58.639	29	77.71	38	35.83	15	47.05	321
16	58.610	2	77.33	60	35.68	8	43.84	347
26	58.612	39	76.73	83	35.60	1	40.37	366
Okt. 6	58.651	80	75.90	108	35.59	8	36.71	378
16	58.731	124	74.82	133	35.67	17	32.93	381
26	58.855	169	73.49	158	35.84	26	29.12	377
Nov. 5	59.024	212	71.91	180	36.10	35	25.35	363
15	59.236	253	70.11	200	36.45	44	21.72	341
25	59.489	287	68.11	214	36.89	51	18.31	307
Dez. 5	59.776	314	65.97	224	37.40	58	15.24	265
15	60.090	331	63.73	226	37.98	62	12.59	214
25	60.421	338	61.47	222	38.60	65	10.45	158
35	60.759		59.25		39.25		8.87	
Mittl. Ort	58.548		77.88		36.90		43.61	
sec δ, tg δ	1.002		+0.066		2.442		+2.228	

Tag	485) 12 Can. ven. sq. AR.		Dekl.		488) ε Virginis AR.		Dekl.		490) ϑ Virginis AR.		Dekl.		492) 43 Comae AR.		Dekl.	
1928	12h 52m		+38° 41′		12h 58m		+11° 20′		13h 6m		−5° 9′		13h 8m		+28° 14′	
Jan. 1	38.803	397	76.92	173	34.467	339	45.36	211	11.991	336	11.99	214	29.810	362	28.76	198
11	39.200	389	75.19	125	34.806	330	43.25	187	12.327	328	14.13	208	30.172	356	26.78	160
21	39.589	370	73.94	72	35.136	313	41.38	157	12.655	311	16.21	197	30.528	341	25.18	114
31	39.959	338	73.22	18	35.449	286	39.81	125	12.966	285	18.18	180	30.869	315	24.04	66
Feb. 10	40.297	299	73.04	34	35.735	254	38.56	89	13.251	254	19.98	158	31.184	282	23.38	19
20	40.596	253	73.38	82	35.989	217	37.67	53	13.505	219	21.56	134	31.466	243	23.19	28
März 1	40.849	204	74.20	125	36.206	178	37.14	19	13.724	182	22.90	108	31.709	200	23.47	70
11	41.053	152	75.45	161	36.384	138	36.95	14	13.906	146	23.98	83	31.909	157	24.17	107
21	41.205	102	77.06	188	36.522	101	37.09	41	14.052	110	24.81	58	32.066	114	25.24	137
31	41.307	54	78.94	206	36.623	66	37.50	64	14.162	76	25.39	35	32.180	73	26.61	159
Apr. 9	41.361	11	81.00	214	36.689	33	38.14	81	14.238	45	25.74	15	32.253	35	28.20	173
19	41.372	28	83.14	214	36.722	5	38.95	93	14.283	18	25.89	3	32.288	0	29.93	180
29	41.344	62	85.28	204	36.727	20	39.88	101	14.301	7	25.86	17	32.288	29	31.73	179
Mai 9	41.282	90	87.32	188	36.707	42	40.89	102	14.294	29	25.69	30	32.259	56	33.52	170
19	41.192	114	89.20	165	36.665	60	41.91	100	14.265	47	25.39	39	32.203	78	35.22	157
29	41.078	132	90.85	137	36.605	75	42.91	94	14.218	64	25.00	46	32.125	96	36.79	137
Juni 8	40.946	146	92.22	105	36.530	88	43.85	84	14.154	78	24.54	52	32.029	111	38.16	114
18	40.800	154	93.27	69	36.442	97	44.69	73	14.076	90	24.02	55	31.918	123	39.30	87
28	40.646	159	93.96	33	36.345	104	45.42	59	13.986	99	23.47	57	31.795	130	40.17	58
Juli 8	40.487	159	94.29	6	36.241	107	46.01	44	13.887	104	22.90	57	31.665	134	40.75	27
18	40.328	154	94.23	44	36.134	107	46.45	26	13.783	107	22.33	55	31.531	134	41.02	4
28	40.174	145	93.79	82	36.027	103	46.71	8	13.676	105	21.78	52	31.397	130	40.98	37
Aug. 7	40.029	131	92.97	119	35.924	95	46.79	12	13.571	97	21.26	45	31.267	120	40.61	69
17	39.898	110	91.78	155	35.829	80	46.67	33	13.474	85	20.81	37	31.147	106	39.92	100
27	39.788	84	90.23	189	35.749	61	46.34	55	13.389	67	20.44	26	31.041	86	38.92	132
Sept. 6	39.704	53	88.34	220	35.688	37	45.79	78	13.322	41	20.18	11	30.955	58	37.60	163
16	39.651	15	86.14	248	35.651	5	45.01	103	13.281	11	20.07	8	30.897	25	35.97	191
26	39.636	29	83.66	274	35.646	32	43.98	128	13.270	26	20.15	29	30.872	13	34.06	218
Okt. 6	39.665	77	80.92	293	35.678	72	42.70	152	13.296	68	20.44	52	30.885	57	31.88	241
16	39.742	128	77.99	308	35.750	117	41.18	176	13.364	113	20.96	78	30.942	104	29.47	262
26	39.870	181	74.91	318	35.867	162	39.42	198	13.477	159	21.74	106	31.046	153	26.85	278
Nov. 5	40.051	233	71.73	319	36.029	207	37.44	216	13.636	204	22.80	133	31.199	202	24.07	287
15	40.284	283	68.54	313	36.236	248	35.28	231	13.840	246	24.13	157	31.401	249	21.20	290
25	40.567	326	65.41	298	36.484	284	32.97	239	14.086	282	25.70	180	31.650	290	18.30	285
Dez. 5	40.893	361	62.43	274	36.768	313	30.58	241	14.368	311	27.50	198	31.940	324	15.45	273
15	41.254	385	59.69	243	37.081	333	28.17	236	14.679	330	29.48	210	32.264	348	12.72	251
25	41.639	398	57.26	204	37.414	341	25.81	224	15.009	339	31.58	215	32.612	362	10.21	222
35	42.037		55.22		37.755		23.57		15.348		33.73		32.974		7.99	
Mittl. Ort	39.778		84.72		35.568		44.77		13.196		18.27		30.913		33.74	
sec δ, tg δ	1.281		+0.801		1.020		+0.201		1.004		−0.090		1.135		+0.537	

Scheinbare Sternörter 1928

Tag	495) γ Hydrae AR.	Diff.	495) Dekl.	Diff.	496) ι Centauri AR.	Diff.	496) Dekl.	Diff.	497) ζ Ursae maj. pr. AR.	Diff.	497) Dekl.	Diff.	498) α Virginis AR.	Diff.	498) Dekl.	Diff.
1928	13h 14m		−22° 47′		13h 16m		−36° 19′		13h 21m		+55° 17′		13h 21m		−10° 47′	
Jan. 1	58.839	355	19.86	198	31.028	391	42.50	177	0.692	495	51.78	174	22.496	339	1.72	207
11	59.194	348	21.84	211	31.419	382	44.27	205	1.187	497	50.04	116	22.835	334	3.79	209
21	59.542	330	23.95	220	31.801	363	46.32	227	1.684	483	48.88	53	23.169	319	5.88	203
31	59.872	305	26.15	221	32.164	335	48.59	242	2.167	454	48.35	10	23.488	295	7.91	192
Feb. 10	60.177	273	28.36	217	32.499	301	51.01	252	2.621	412	48.45	71	23.783	266	9.83	177
20	60.450	237	30.53	208	32.800	261	53.53	254	3.033	358	49.16	127	24.049	233	11.60	158
März 1	60.687	200	32.61	194	33.061	220	56.07	251	3.391	297	50.43	176	24.282	198	13.18	135
11	60.887	162	34.55	178	33.281	177	58.58	243	3.688	231	52.19	217	24.480	161	14.53	113
21	61.049	125	36.33	160	33.458	137	61.01	231	3.919	162	54.36	247	24.641	126	15.66	90
31	61.174	90	37.93	141	33.595	98	63.32	215	4.081	95	56.83	266	24.767	93	16.56	68
Apr. 10	61.264	57	39.34	120	33.693	60	65.47	198	4.176	31	59.49	275	24.860	62	17.24	47
19	61.321	28	40.54	100	33.753	26	67.45	177	4.207	29	62.24	272	24.922	34	17.71	30
29	61.349	0	41.54	80	33.779	7	69.22	154	4.178	84	64.96	258	24.956	8	18.01	13
Mai 9	61.349	24	42.34	60	33.772	36	70.76	129	4.094	132	67.54	237	24.964	16	18.14	2
19	61.325	47	42.94	39	33.736	63	72.05	103	3.962	172	69.91	207	24.948	37	18.12	15
29	61.278	67	43.33	20	33.673	87	73.08	75	3.790	205	71.98	171	24.911	56	17.97	25
Juni 8	61.211	85	43.53	1	33.586	110	73.83	46	3.585	232	73.69	129	24.855	73	17.72	35
18	61.126	100	43.54	18	33.476	128	74.29	17	3.353	251	74.98	85	24.782	88	17.37	43
28	61.026	113	43.36	37	33.348	144	74.46	12	3.102	263	75.83	38	24.694	99	16.94	50
Juli 8	60.913	121	42.99	53	33.204	154	74.34	42	2.839	268	76.21	11	24.595	107	16.44	55
18	60.792	125	42.46	68	33.050	159	73.92	70	2.571	266	76.10	59	24.488	113	15.89	58
28	60.667	125	41.78	82	32.891	158	73.22	95	2.305	257	75.51	107	24.375	114	15.31	60
Aug. 7	60.542	118	40.96	92	32.733	150	72.27	118	2.048	240	74.44	153	24.261	108	14.71	60
17	60.424	105	40.04	98	32.583	135	71.09	135	1.808	216	72.91	196	24.153	98	14.11	56
27	60.319	86	39.06	101	32.448	111	69.74	149	1.592	184	70.95	236	24.055	80	13.55	48
Sept. 6	60.233	58	38.05	97	32.337	78	68.25	156	1.408	143	68.59	273	23.975	57	13.07	38
16	60.175	24	37.08	89	32.259	38	66.69	155	1.265	95	65.86	304	23.918	25	12.69	23
26	60.151	17	36.19	75	32.221	9	65.14	147	1.170	39	62.82	331	23.893	12	12.46	6
Okt. 6	60.168	62	35.44	56	32.230	62	63.67	132	1.131	23	59.51	351	23.905	53	12.40	17
16	60.230	111	34.88	30	32.292	118	62.35	109	1.154	90	56.00	365	23.958	100	12.57	42
26	60.341	163	34.58	0	32.410	176	61.26	79	1.244	161	52.35	370	24.058	147	12.99	70
Nov. 5	60.504	211	34.58	32	32.586	231	60.47	43	1.405	231	48.65	367	24.205	194	13.69	98
15	60.715	257	34.90	66	32.817	283	60.04	5	1.636	300	44.98	355	24.399	238	14.67	126
25	60.972	297	35.56	101	33.100	326	59.99	38	1.936	362	41.43	332	24.637	277	15.93	152
Dez. 5	61.269	328	36.57	133	33.426	361	60.37	80	2.298	417	38.11	301	24.914	308	17.45	174
15	61.597	348	37.90	162	33.787	384	61.17	120	2.715	459	35.10	260	25.222	329	19.19	192
25	61.945	359	39.52	187	34.171	394	62.37	157	3.174	487	32.50	210	25.551	341	21.11	204
35	62.304		41.39		34.565		63.94		3.661		30.40		25.892		23.15	
Mittl. Ort	60.193		32.08		32.507		58.96		1.812		63.43		23.820		9.71	
sec δ, tg δ	1.085		−0.420		1.241		−0.736		1.757		+1.444		1.018		−0.190	

Tag	499) Grb 2001 AR.		Dekl.		500) 69 H. Urs. maj. AR.		Dekl.	
1928	13h 24m		+72° 45′		13h 25m		+60° 18′	
Jan. 1	16.60	84	40.23	145	47.56	55	49.74	171
11	17.44	86	38.78	79	48.11	55	48.03	110
21	18.30	84	37.99	12	48.66	54	46.93	45
31	19.14	79	37.87	54	49.20	52	46.48	19
Feb. 10	19.93	73	38.41	117	49.72	46	46.67	81
20	20.66	63	39.58	175	50.18	41	47.48	140
März 1	21.29	52	41.33	222	50.59	34	48.88	189
11	21.81	40	43.55	261	50.93	26	50.77	230
21	22.21	26	46.16	288	51.19	18	53.07	261
31	22.47	13	49.04	302	51.37	11	55.68	280
Apr. 10	22.60	1	52.06	305	51.48	3	58.48	287
19	22.59	12	55.11	295	51.51	4	61.35	283
29	22.47	24	58.06	276	51.47	10	64.18	269
Mai 9	22.23	34	60.82	246	51.37	16	66.87	245
19	21.89	43	63.28	209	51.21	21	69.32	214
29	21.46	50	65.37	166	51.00	25	71.46	175
Juni 8	20.96	55	67.03	117	50.75	29	73.21	132
18	20.41	59	68.20	65	50.46	30	74.53	86
28	19.82	61	68.85	11	50.16	32	75.39	35
Juli 8	19.21	62	68.96	43	49.84	33	75.74	15
18	18.59	61	68.53	96	49.51	33	75.59	65
28	17.98	58	67.57	147	49.18	31	74.94	115
Aug. 7	17.40	55	66.10	196	48.87	30	73.79	162
17	16.85	49	64.14	241	48.57	26	72.17	207
27	16.36	42	61.73	282	48.31	23	70.10	248
Sept. 6	15.94	35	58.91	317	48.08	19	67.62	285
16	15.59	25	55.74	347	47.89	12	64.77	317
26	15.34	15	52.27	369	47.77	7	61.60	343
Okt. 6	15.19	4	48.58	385	47.70	0	58.17	363
16	15.15	9	44.73	393	47.70	8	54.54	376
26	15.24	21	40.80	391	47.78	16	50.78	380
Nov. 5	15.45	34	36.89	381	47.94	24	46.98	375
15	15.79	46	33.08	361	48.18	32	43.23	362
25	16.25	57	29.47	330	48.50	39	39.61	337
Dez. 5	16.82	68	26.17	290	48.89	45	36.24	303
15	17.50	76	23.27	241	49.34	50	33.21	260
25	18.26	82	20.86	182	49.84	54	30.61	208
35	19.08		19.04		50.38		28.53	
Mittl. Ort	17.77		54.16		48.72		62.23	
sec δ, tg δ	3.375		+3.223		2.019		+1.754	

Tag	501) ζ Virginis AR.		Dekl.		502) 17 H. Can. ven. AR.		Dekl.	
1928	13h 31m		−0° 13′		13h 31m		+37° 32′	
Jan. 1	0.034	333	38.11	214	33.795	385	54.97	210
11	0.367	330	40.25	203	34.180	387	52.87	162
21	0.697	317	42.28	187	34.567	376	51.25	110
31	1.014	296	44.15	165	34.943	353	50.15	55
Feb. 10	1.310	269	45.80	140	35.296	323	49.60	1
20	1.579	238	47.20	111	35.619	284	49.59	52
März 1	1.817	203	48.31	82	35.903	241	50.11	100
11	2.020	167	49.13	54	36.144	195	51.11	141
21	2.187	133	49.67	27	36.339	148	52.52	176
31	2.320	100	49.94	3	36.487	101	54.28	200
Apr. 10	2.420	69	49.97	17	36.588	57	56.28	216
19	2.489	40	49.80	34	36.645	17	58.44	222
29	2.529	13	49.46	47	36.662	19	60.66	219
Mai 9	2.542	10	48.99	56	36.643	53	62.85	209
19	2.532	32	48.43	62	36.590	82	64.94	190
29	2.500	51	47.81	65	36.508	106	66.84	166
Juni 8	2.449	68	47.16	66	36.402	127	68.50	136
18	2.381	83	46.50	64	36.275	144	69.86	104
28	2.298	96	45.86	61	36.131	156	70.90	67
Juli 8	2.202	105	45.25	55	35.975	164	71.57	30
18	2.097	112	44.70	48	35.811	167	71.87	10
28	1.985	113	44.22	40	35.644	165	71.77	49
Aug. 7	1.872	109	43.82	29	35.479	158	71.28	88
17	1.763	101	43.53	16	35.321	145	70.40	127
27	1.662	85	43.37	2	35.176	124	69.13	163
Sept. 6	1.577	63	43.35	16	35.052	97	67.50	198
16	1.514	34	43.51	35	34.955	63	65.52	231
26	1.480	1	43.86	57	34.892	23	63.21	259
Okt. 6	1.481	41	44.43	80	34.869	24	60.62	285
16	1.522	86	45.23	106	34.893	76	57.77	305
26	1.608	133	46.29	130	34.969	130	54.72	320
Nov. 5	1.741	179	47.59	155	35.099	184	51.52	327
15	1.920	224	49.14	177	35.283	238	48.25	326
25	2.144	263	50.91	196	35.521	286	44.99	318
Dez. 5	2.407	295	52.87	209	35.807	327	41.81	300
15	2.702	319	54.96	217	36.134	359	38.81	273
25	3.021	332	57.13	218	36.493	381	36.08	237
35	3.353		59.31		36.874		33.71	
Mittl. Ort	1.363		42.25		35.011		62.72	
sec δ, tg δ	1.000		−0.004		1.261		+0.769	

Scheinbare Sternörter 1928

Tag	504) ε Centauri				507) τ Bootis				509) η Ursae maj.				510) 89 Virginis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1928	13h 35m		−53° 5′		13h 43m		+17° 48′		13h 44m		+49° 39′		13h 45m		−17° 46′	
Jan. 1	16.814 s	492	43.63″	122	49.103 s	339	51.65″	223	41.076 s	438	68.83″	209	55.815 s	346	24.25″	188
11	17.306	486	44.85	165	49.442	339	49.42	195	41.514	446	66.74	154	56.161	344	26.13	197
21	17.792	467	46.50	204	49.781	330	47.47	160	41.960	439	65.20	94	56.505	333	28.10	201
31	18.259	437	48.54	236	50.111	312	45.87	120	42.399	419	64.26	32	56.838	313	30.11	198
Feb. 10	18.696	398	50.90	261	50.423	286	44.67	79	42.818	387	63.94	28	57.151	288	32.09	190
20	19.094	353	53.51	280	50.709	255	43.88	37	43.205	344	64.22	87	57.439	257	33.99	178
März 1	19.447	303	56.31	292	50.964	220	43.51	4	43.549	294	65.09	140	57.696	223	35.77	162
11	19.750	251	59.23	298	51.184	184	43.55	42	43.843	240	66.49	184	57.919	189	37.39	144
21	20.001	199	62.21	297	51.368	146	43.97	75	44.083	183	68.33	220	58.108	155	38.83	126
31	20.200	148	65.18	290	51.514	110	44.72	102	44.266	125	70.53	246	58.263	122	40.09	106
Apr. 10	20.348	97	68.08	279	51.624	76	45.74	122	44.391	69	72.99	261	58.385	90	41.15	87
19	[15] 20.445	48	70.87	262	[18] 51.700	44	46.96	136	[18] 44.460	16	75.60	265	[18] 58.475	60	42.02	70
29	20.493	1	73.49	242	51.744	15	48.32	143	44.476	33	78.25	259	58.535	32	42.72	52
Mai 9	20.494	43	75.91	217	51.759	12	49.75	143	44.443	77	80.84	245	58.567	6	43.24	36
19	20.451	85	78.08	187	51.747	37	51.18	139	44.366	116	83.29	220	58.573	19	43.60	21
29	20.366	125	79.95	155	51.710	58	52.57	129	44.250	149	85.49	191	58.554	42	43.81	6
Juni 8	20.241	161	81.50	119	51.652	77	53.86	115	44.101	178	87.40	154	58.512	63	43.87	8
18	20.080	191	82.69	81	51.575	95	55.01	97	43.923	201	88.94	115	58.449	82	43.79	20
28	19.889	217	83.50	41	51.480	108	55.98	78	43.722	218	90.09	71	58.367	99	43.59	32
Juli 8	19.672	237	83.91	0	51.372	118	56.76	55	43.504	229	90.80	25	58.268	112	43.27	44
18	19.435	247	83.91	41	51.254	126	57.31	31	43.275	234	91.05	21	58.156	122	42.83	53
28	19.188	249	83.50	81	51.128	128	57.62	6	43.041	233	90.84	67	58.034	127	42.30	62
Aug. 7	18.939	241	82.69	118	51.000	126	57.68	21	42.808	224	90.17	113	57.907	125	41.68	67
17	18.698	223	81.51	152	50.874	118	57.47	47	42.584	208	89.04	157	57.782	118	41.01	71
27	18.475	191	79.99	179	50.756	103	57.00	75	42.376	185	87.47	198	57.664	103	40.30	70
Sept. 6	18.284	150	78.20	200	50.653	81	56.25	103	42.191	153	85.49	238	57.561	81	39.60	66
16	18.134	96	76.20	214	50.572	54	55.22	131	42.038	113	83.11	272	57.480	50	38.94	58
26	18.038	34	74.06	217	50.518	19	53.91	158	41.925	66	80.39	304	57.430	14	38.36	45
Okt. 6	18.004	36	71.89	213	50.499	21	52.33	184	41.859	11	77.35	328	57.416	29	37.91	26
16	18.040	112	69.76	198	50.520	66	50.49	209	41.848	49	74.07	347	57.445	78	37.65	4
26	18.152	188	67.78	174	50.586	115	48.40	230	41.897	113	70.60	359	57.523	127	37.61	22
Nov. 5	18.340	263	66.04	141	50.701	163	46.10	248	42.010	178	67.01	364	57.650	178	37.83	50
15	18.603	332	64.63	100	50.864	209	43.62	260	42.188	242	63.37	358	57.828	225	38.33	80
25	18.935	391	63.63	56	51.073	253	41.02	267	42.430	303	59.79	343	58.053	267	39.13	109
Dez. 5	19.326	439	63.07	6	51.326	289	38.35	265	42.733	355	56.36	319	58.320	303	40.22	137
15	19.765	473	63.01	44	51.615	317	35.70	257	43.088	397	53.17	285	58.623	329	41.59	161
25	20.238	492	63.45	93	51.932	335	33.13	239	43.485	427	50.32	241	58.952	344	43.20	180
35	20.730		64.38		52.267		30.74		43.912		47.91		59.296		45.00	
Mittl. Ort	18.759		63.94		50.435		53.74		42.370		79.41		57.340		34.05	
sec δ, tg δ	1.665		−1.332		1.050		+0.321		1.545		+1.178		1.050		−0.321	

Tag	512) ζ Centauri AR.	Δ	512) Dekl.	Δ	513) η Bootis AR.	Δ	513) Dekl.	Δ	517) 11 Bootis AR.	Δ	517) Dekl.	Δ	516) τ Virginis AR.	Δ	516) Dekl.	Δ
1928	13h 51m		−46° 55′		13h 51m		+18° 45′		13h 57m		+27° 43′		13h 57m		+1° 53′	
Jan. 1	0.255	445	46.98	118	14.023	339	26.28	228	53.272	349	55.95	232	57.374	328	34.79	214
11	0.700	443	48.16	157	14.362	340	24.00	199	53.621	355	53.63	195	57.702	331	32.65	203
21	1.143	430	49.73	191	14.702	333	22.01	163	53.976	349	51.68	150	58.033	323	30.62	184
31	1.573	407	51.64	219	15.035	316	20.38	122	54.325	334	50.18	103	58.356	307	28.78	162
Feb. 10	1.980	374	53.83	240	15.351	292	19.16	80	54.659	310	49.15	53	58.663	284	27.16	133
20	2.354	337	56.23	255	15.643	262	18.36	36	54.969	279	48.62	3	58.947	256	25.83	103
März 1	2.691	295	58.78	264	15.905	228	18.00	6	55.248	244	48.59	44	59.203	225	24.80	72
11	2.986	250	61.42	268	16.133	191	18.06	44	55.492	206	49.03	87	59.428	192	24.08	42
21	3.236	205	64.10	265	16.324	154	18.50	78	55.698	166	49.90	123	59.620	159	23.66	14
31	3.441	160	66.75	259	16.478	119	19.28	105	55.864	127	51.13	152	59.779	126	23.52	11
Apr. 10	3.601	117	69.34	248	16.597	84	20.33	127	55.991	89	52.65	174	59.905	95	23.63	33
19*)	[19]3.718	74	71.82	233	[19]16.681	52	21.60	141	56.080	53	54.39	187	60.000	66	23.96	50
29	3.792	33	74.15	214	16.733	21	23.01	148	[21]56.133	20	56.26	191	[21]60.066	38	24.46	62
Mai 9	3.825	7	76.29	193	16.754	6	24.49	149	56.153	11	58.17	189	60.104	13	25.08	72
19	3.818	45	78.22	167	16.748	31	25.98	144	56.142	39	60.06	179	60.117	12	25.80	76
29	3.773	81	79.89	138	16.717	54	27.42	134	56.103	64	61.85	164	60.105	34	26.56	77
Juni 8	3.692	115	81.27	108	16.663	74	28.76	119	56.039	88	63.49	143	60.071	55	27.33	76
18	3.577	145	82.35	75	16.589	92	29.95	102	55.951	107	64.92	118	60.016	74	28.09	72
28	3.432	170	83.10	40	16.497	108	30.97	81	55.844	123	66.10	90	59.942	90	28.81	65
Juli 8	3.262	191	83.50	4	16.389	119	31.78	57	55.721	137	67.00	59	59.852	104	29.46	58
18	3.071	205	83.54	32	16.270	128	32.35	32	55.584	145	67.59	27	59.748	114	30.04	48
28	2.866	212	83.22	67	16.142	131	32.67	6	55.439	150	67.86	7	59.634	120	30.52	37
Aug. 7	2.654	209	82.55	100	16.011	129	32.73	21	55.289	148	67.79	41	59.514	121	30.89	24
17	2.445	197	81.55	129	15.882	123	32.52	49	55.141	141	67.38	75	59.393	115	31.13	9
27	2.248	174	80.26	154	15.759	109	32.03	77	55.000	127	66.63	109	59.278	103	31.22	7
Sept. 6	2.074	141	78.72	173	15.650	88	31.26	106	54.873	106	65.54	142	59.175	84	31.15	25
16	1.933	96	76.99	185	15.562	61	30.20	135	54.767	78	64.12	175	59.091	58	30.90	45
26	1.837	44	75.14	188	15.501	27	28.85	162	54.689	42	62.37	205	59.033	25	30.45	67
Okt. 6	1.793	18	73.26	184	15.474	14	27.23	189	54.647	1	60.32	233	59.008	14	29.78	91
16	1.811	84	71.42	170	15.488	58	25.34	214	54.646	46	57.99	258	59.022	59	28.87	115
26	1.895	152	69.72	149	15.546	107	23.20	236	54.692	97	55.41	278	59.081	105	27.72	139
Nov. 5	2.047	221	68.23	118	15.653	156	20.84	253	54.789	149	52.63	293	59.186	154	26.33	163
15	2.268	285	67.05	82	15.809	204	18.31	266	54.938	199	49.70	301	59.340	200	24.70	184
25	2.553	341	66.23	40	16.013	247	15.65	272	55.137	246	46.69	302	59.540	243	22.86	201
Dez. 5	2.894	387	65.83	4	16.260	285	12.93	271	55.383	288	43.67	295	59.783	279	20.85	214
15	3.281	422	65.87	49	16.545	315	10.22	261	55.671	320	40.72	278	60.062	306	18.71	220
25	3.703	442	66.36	93	16.860	333	7.61	244	55.991	343	37.94	253	60.368	325	16.51	219
35	4.145		67.29		17.193		5.17		56.334		35.41		60.693		14.32	
Mittl. Ort	2.214		65.22		15.392		28.73		54.655		61.14		58.845		31.87	
sec δ, tg δ	1.465		−1.070		1.056		+0.340		1.130		+0.526		1.000		+0.033	

*) Bei Stern 517) und 516) lies April 20

Scheinbare Sternörter 1928

Tag	518) β Centauri AR.		Dekl.		520) ϑ Centauri AR.		Dekl.		521) α Draconis AR.		Dekl.		522) *d* Bootis AR.		Dekl.	
1928	13h 58m		−60° 1′		14h 2m		−36° 0′		14h 2m		+64° 42′		14h 7m		+25° 25′	
Jan. 1	41.07	56	15.30	73	24.389	388	44.95	136	24.80	59	57.60	208	5.525	342	50.66	236
11	41.63	58	16.03	123	24.777	390	46.31	165	25.39	61	55.52	147	5.867	349	48.30	202
21	42.21	56	17.26	167	25.167	380	47.96	189	26.00	61	54.05	82	6.216	345	46.28	160
31	42.77	53	18.93	206	25.547	361	49.85	206	26.61	60	53.23	14	6.561	331	44.68	114
Feb. 10	43.30	49	20.99	240	25.908	336	51.91	218	27.21	56	53.09	51	6.892	310	43.54	66
20	43.79	45	23.39	266	26.244	304	54.09	224	27.77	51	53.60	114	7.202	280	42.88	17
März 1	44.24	39	26.05	287	26.548	268	56.33	225	28.28	44	54.74	170	7.482	248	42.71	30
11	44.63	34	28.92	300	26.816	232	58.58	221	28.72	36	56.44	218	7.730	211	43.01	72
21	44.97	27	31.92	307	27.048	194	60.79	214	29.08	28	58.62	255	7.941	173	43.73	110
31	45.24	22	34.99	308	27.242	157	62.93	203	29.36	19	61.17	282	8.114	136	44.83	140
Apr. 10	45.46	16	38.07	303	27.399	120	64.96	191	29.55	10	63.99	296	8.250	99	46.23	163
20	[21] 45.62	9	41.10	292	[22] 27.519	84	66.87	175	[22] 29.65	1	66.95	300	[24] 8.349	65	47.86	177
29	45.71	4	44.02	276	27.603	51	68.62	159	29.66	7	69.95	292	8.414	31	49.63	184
Mai 9	45.75	2	46.78	256	27.654	17	70.21	139	29.59	14	72.87	273	8.445	1	51.47	184
19	45.73	8	49.34	229	27.671	15	71.60	118	29.45	21	75.60	246	8.446	28	53.31	176
29	45.65	13	51.63	198	27.656	46	72.78	95	29.24	26	78.06	212	8.418	54	55.07	162
Juni 8	45.52	18	53.61	163	27.610	75	73.73	72	28.98	32	80.18	170	8.364	77	56.69	144
18	45.34	23	55.24	125	27.535	102	74.45	46	28.66	36	81.88	124	8.287	98	58.13	121
28	45.11	26	56.49	83	27.433	125	74.91	20	28.30	39	83.12	75	8.189	116	59.34	95
Juli 8	44.85	29	57.32	39	27.308	144	75.11	6	27.91	41	83.87	24	8.073	131	60.29	66
18	44.56	32	57.71	5	27.164	159	75.05	32	27.50	41	84.11	29	7.942	142	60.95	35
28	44.24	32	57.66	51	27.005	168	74.73	58	27.09	42	83.82	81	7.800	147	61.30	3
Aug. 7	43.92	32	57.15	93	26.837	169	74.15	81	26.67	40	83.01	131	7.653	148	61.33	29
17	43.60	30	56.22	134	26.668	162	73.34	102	26.27	39	81.70	180	7.505	142	61.04	62
27	43.30	27	54.88	169	26.506	145	72.32	119	25.88	35	79.90	225	7.363	130	60.42	96
Sept. 6	43.03	23	53.19	198	26.361	121	71.13	130	25.53	30	77.65	267	7.233	111	59.46	129
16	42.80	16	51.21	221	26.240	85	69.83	136	25.23	24	74.98	304	7.122	84	58.17	160
26	42.64	9	49.00	234	26.155	42	68.47	136	24.99	18	71.94	336	7.038	49	56.57	191
Okt. 6	42.55	1	46.66	237	26.113	8	67.11	127	24.81	10	68.58	360	6.989	9	54.66	219
16	42.54	8	44.29	230	26.121	64	65.84	112	24.71	2	64.98	379	6.980	37	52.47	245
26	42.62	17	41.99	213	26.185	124	64.72	90	24.69	7	61.19	389	7.017	86	50.02	266
Nov. 5	42.79	26	39.86	186	26.309	183	63.82	62	24.76	17	57.30	390	7.103	139	47.36	283
15	43.05	35	38.00	150	26.492	239	63.20	29	24.93	27	53.40	381	7.242	189	44.53	294
25	43.40	42	36.50	108	26.731	289	62.91	7	25.20	36	49.59	361	7.431	236	41.59	296
Dez. 5	43.82	49	35.42	60	27.020	332	62.98	45	25.56	43	45.98	332	7.667	277	38.63	292
15	44.31	53	34.82	9	27.352	365	63.43	82	25.99	51	42.66	293	7.944	311	35.71	278
25	44.84	56	34.73	43	27.717	385	64.25	118	26.50	56	39.73	243	8.255	335	32.93	256
35	45.40		35.16		28.102		65.43		27.06		37.30		8.590		30.37	
Mittl. Ort	43.56		36.06		26.237		59.83		26.33		70.51		6.963		55.24	
sec δ, tg δ	2.002		−1.734		1.236		−0.727		2.342		+2.117		1.107		+0.475	

Tag	523) κ Virginis AR.		523) κ Virginis Dekl.		524) 4 Ursae min. AR.		524) 4 Ursae min. Dekl.		525) ι Virginis AR.		525) ι Virginis Dekl.		526) α Bootis AR.		526) α Bootis Dekl.	
1928	14h 9m		−9° 56′		14h 9m		+77° 52′		14h 12m		−5° 39′		14h 12m		+19° 32′	
Jan. 1	s 1.511	332	″ 15.15	193	s 3.91	106	″ 55.20	193	s 12.562	327	″ 22.78	201	s 21.123	330	″ 80.68	241
11	1.843	335	17.08	193	4.97	112	53.27	129	12.889	332	24.79	198	21.453	337	78.27	211
21	2.178	329	19.01	189	6.09	114	51.98	63	13.221	326	26.77	189	21.790	333	76.16	176
31	2.507	315	20.90	178	7.23	113	51.35	6	13.547	313	28.66	173	22.123	321	74.40	134
Feb. 10	2.822	293	22.68	163	8.36	107	51.41	72	13.860	291	30.39	154	22.444	300	73.06	91
20	3.115	266	24.31	144	9.43	97	52.13	134	14.151	266	31.93	130	22.744	273	72.15	46
März 1	3.381	236	25.75	122	10.40	85	53.47	190	14.417	237	33.23	106	23.017	242	71.69	2
11	3.617	205	26.97	100	11.25	70	55.37	236	14.654	205	34.29	80	23.259	208	71.67	38
21	3.822	173	27.97	77	11.95	52	57.73	272	14.859	174	35.09	54	23.467	172	72.05	75
31	3.995	141	28.74	55	12.47	34	60.45	296	15.033	143	35.63	32	23.639	138	72.80	104
Apr. 10	4.136	111	29.29	36	12.81	15	63.41	308	15.176	112	35.95	11	23.777	103	73.84	128
20	4.247	81	29.65	19	12.96	3	66.49	309	15.288	82	36.06	6	23.880	71	75.12	144
29	4.328	54	29.84	4	12.93	20	69.58	298	15.370	55	36.00	20	23.951	39	76.56	153
Mai 9	4.382	27	29.88	9	12.73	37	72.56	276	15.425	29	35.80	32	23.990	10	78.09	155
19	4.409	1	29.79	20	12.36	53	75.32	246	15.454	3	35.48	40	24.000	18	79.64	151
29	4.410	23	29.59	28	11.83	65	77.78	207	15.457	22	35.08	46	23.982	43	81.15	142
Juni 8	4.387	46	29.31	35	11.18	75	79.85	163	15.435	44	34.62	50	23.939	66	82.57	128
18	4.341	68	28.96	40	10.43	84	81.48	115	15.391	66	34.12	51	23.873	87	83.85	109
28	4.273	86	28.56	44	9.59	91	82.63	62	15.325	85	33.61	52	23.786	106	84.94	88
Juli 8	4.187	103	28.12	47	8.68	94	83.25	9	15.240	101	33.09	50	23.680	121	85.82	64
18	4.084	116	27.65	48	7.74	96	83.34	46	15.139	114	32.59	48	23.559	133	86.46	38
28	3.968	124	27.17	49	6.78	96	82.88	99	15.025	123	32.11	44	23.426	140	86.84	10
Aug. 7	3.844	126	26.68	47	5.82	93	81.89	150	14.902	125	31.67	37	23.286	143	86.94	18
17	3.718	123	26.21	44	4.89	87	80.39	199	14.777	123	31.30	30	23.143	138	86.76	47
27	3.595	112	25.77	37	4.02	81	78.40	244	14.654	112	31.00	21	23.005	127	86.29	76
Sept. 6	3.483	93	25.40	27	3.21	71	75.96	285	14.542	95	30.79	7	22.878	109	85.53	107
16	3.390	68	25.13	16	2.50	60	73.11	321	14.447	70	30.72	7	22.769	83	84.46	136
26	3.322	34	24.97	0	1.90	46	69.90	350	14.377	37	30.79	25	22.686	51	83.10	165
Okt. 6	3.288	7	24.97	19	1.44	32	66.40	373	14.340	3	31.04	46	22.635	12	81.45	193
16	3.295	51	25.16	41	1.12	15	62.67	388	14.343	47	31.50	69	22.623	33	79.52	219
26	3.346	100	25.57	65	0.97	2	58.79	395	14.390	94	32.19	92	22.656	81	77.33	242
Nov. 5	3.446	150	26.22	91	0.99	21	54.84	392	14.484	144	33.11	117	22.737	131	74.91	260
15	3.596	197	27.13	116	1.20	39	50.92	380	14.628	192	34.28	141	22.868	181	72.31	274
25	3.793	242	28.29	140	1.59	57	47.12	357	14.820	236	35.69	163	23.049	227	69.57	282
Dez. 5	4.035	279	29.69	161	2.16	73	43.55	324	15.056	273	37.32	180	23.276	267	66.75	281
15	4.314	309	31.30	178	2.89	88	40.31	281	15.329	303	39.12	194	23.543	300	63.94	273
25	4.623	328	33.08	189	3.77	100	37.50	229	15.632	323	41.06	201	23.843	323	61.21	256
35	4.951		34.97		4.77		35.21		15.955		43.07		24.166		58.65	
Mittl. Ort	3.116		21.74		6.01		69.11		14.155		27.88		22.602		83.58	
sec δ, tg δ	1.015		−0.175		4.765		+4.659		1.005		−0.099		1.061		+0.355	

Scheinbare Sternörter 1928

Tag	527) λ Bootis AR.		527) λ Bootis Dekl.		531) ϑ Bootis AR.		531) ϑ Bootis Dekl.		534) ρ Bootis AR.		534) ρ Bootis Dekl.		535) γ Bootis AR.		535) γ Bootis Dekl.	
1928	14h 13m		+46° 24′		14h 22m		+52° 10′		14h 28m		+30° 40′		14h 29m		+38° 36′	
Jan. 1	37.395	403	55.91	239	43.207	430	47.70	246	42.096	341	66.01	250	9.216	362	72.78	253
11	37.798	417	53.52	188	43.637	449	45.24	192	42.437	354	63.51	212	9.578	376	70.25	209
21	38.215	417	51.64	131	44.086	455	43.32	132	42.791	356	61.39	167	9.954	380	68.16	158
31	38.632	406	50.33	71	44.541	446	42.00	69	43.147	346	59.72	117	10.334	371	66.58	102
Feb. 10	39.038	382	49.62	9	44.987	424	41.31	5	43.493	328	58.55	64	10.705	352	65.56	44
20	39.420	349	49.53	51	45.411	389	41.26	58	43.821	303	57.91	11	11.057	326	65.12	13
März 1	39.769	308	50.04	106	45.800	346	41.84	116	44.124	272	57.80	40	11.383	292	65.25	69
11	40.077	261	51.10	156	46.146	296	43.00	167	44.396	236	58.20	88	11.675	253	65.94	118
21	40.338	211	52.66	197	46.442	240	44.67	210	44.632	199	59.08	128	11.928	211	67.12	161
31	40.549	160	54.63	229	46.682	182	46.77	244	44.831	160	60.36	162	12.139	168	68.73	196
Apr. 10	40.709	108	56.92	251	46.864	124	49.21	266	44.991	122	61.98	188	12.307	125	70.69	221
20	40.817	58	59.43	261	46.988	67	51.87	277	45.113	85	63.86	205	12.432	82	72.90	237
29	25 40.875	12	62.04	263	27 47.055	12	54.64	278	29 45.198	48	65.91	212	29 12.514	41	75.27	243
Mai 9	40.887	33	64.67	254	47.067	40	57.42	269	45.246	15	68.03	213	12.555	2	77.70	240
19	40.854	73	67.21	237	47.027	88	60.11	251	45.261	18	70.16	204	12.557	34	80.10	229
29	40.781	110	69.58	212	46.939	131	62.62	224	45.243	48	72.20	190	12.523	68	82.39	209
Juni 8	40.671	142	71.70	180	46.808	169	64.86	191	45.195	77	74.10	170	12.455	98	84.48	184
18	40.529	170	73.50	145	46.639	201	66.77	153	45.118	101	75.80	144	12.357	126	86.32	155
28	40.359	192	74.95	104	46.438	230	68.30	110	45.017	123	77.24	115	12.231	150	87.87	119
Juli 8	40.167	210	75.99	61	46.208	250	69.40	65	44.894	142	78.39	82	12.081	169	89.06	82
18	39.957	221	76.60	17	45.958	264	70.05	17	44.752	156	79.21	47	11.912	184	89.88	41
28	39.736	227	76.77	29	45.694	272	70.22	32	44.596	166	79.68	11	11.728	194	90.29	0
Aug. 7	39.509	226	76.48	75	45.422	272	69.90	79	44.430	170	79.79	27	11.534	196	90.29	42
17	39.283	218	75.73	120	45.150	263	69.11	127	44.260	167	79.52	63	11.338	192	89.87	84
27	39.065	201	74.53	163	44.887	245	67.84	173	44.093	157	78.89	101	11.146	181	89.03	126
Sept. 6	38.864	175	72.90	204	44.642	218	66.11	216	43.936	139	77.88	137	10.965	162	87.77	165
16	38.689	142	70.86	242	44.424	182	63.95	256	43.797	114	76.51	172	10.803	134	86.12	203
26	38.547	100	68.44	276	44.242	136	61.39	291	43.683	81	74.79	206	10.669	98	84.09	239
Okt. 6	38.447	51	65.68	306	44.106	83	58.48	322	43.602	40	72.73	236	10.571	55	81.70	270
16	38.396	6	62.62	330	44.023	21	55.26	346	43.562	7	70.37	264	10.516	4	79.00	297
26	38.402	67	59.32	349	44.002	46	51.80	364	43.569	57	67.73	286	10.512	51	76.03	319
Nov. 5	38.469	130	55.83	358	44.048	115	48.16	374	43.626	112	64.87	304	10.563	108	72.84	334
15	38.599	193	52.25	360	44.163	186	44.42	375	43.738	166	61.83	315	10.671	167	69.50	341
25	38.792	254	48.65	352	44.349	254	40.67	365	43.904	216	58.68	317	10.838	222	66.09	340
Dez. 5	39.046	308	45.13	333	44.603	316	37.02	346	44.120	263	55.51	311	11.060	273	62.69	329
15	39.354	353	41.80	306	44.919	369	33.56	316	44.383	301	52.40	295	11.333	315	59.40	309
25	39.707	389	38.74	273	45.288	412	30.40	276	44.684	331	49.45	271	11.648	348	56.31	277
35	40.096		36.01		45.700		27.64		45.015		46.74		11.996		53.54	
Mittl. Ort	38.876		65.71		44.777		58.54		43.643		72.10		10.771		80.81	
sec δ, tg δ	1.451		+1.051		1.631		+1.288		1.163		+0.593		1.280		+0.799	

Tag	537) η Centauri AR.	Δ	Dekl.	Δ	538) α Centauri [1]) AR.	Δ	Dekl.	Δ
1928	$14^h\ 30^m$		$-41°\ 50'$		$14^h\ 34^m$		$-60°\ 32'$	
Jan. 1	53.392	408	18.10	90	39.19	56	0.74	33
11	53.800	417	19.00	124	39.75	58	1.07	81
21	54.217	413	20.24	153	40.33	57	1.88	126
31	54.630	400	21.77	177	40.90	55	3.14	167
Feb. 10	55.030	379	23.54	197	41.45	52	4.81	203
20	55.409	350	25.51	210	41.97	48	6.84	232
März 1	55.759	318	27.61	218	42.45	44	9.16	255
11	56.077	282	29.79	222	42.89	38	11.71	273
21	56.359	244	32.01	222	43.27	32	14.44	284
31	56.603	206	34.23	218	43.59	27	17.28	290
Apr. 10	56.809	168	36.41	210	43.86	21	20.18	290
20	56.977	129	38.51	201	44.07	14	23.08	285
30	57.106	90	40.52	187	44.21	8	25.93	274
Mai 9	57.196	52	42.39	171	44.29	2	28.67	258
19	57.248	14	44.10	153	44.31	4	31.25	238
29	57.262	23	45.63	132	44.27	10	33.63	212
Juni 8	57.239	59	46.95	109	44.17	15	35.75	182
18	57.180	93	48.04	83	44.02	21	37.57	147
28	57.087	125	48.87	56	43.81	26	39.04	109
Juli 8	56.962	152	49.43	26	43.55	29	40.13	68
18	56.810	173	49.69	3	43.26	32	40.81	26
28	56.637	189	49.66	33	42.94	34	41.07	18
Aug. 7	56.448	195	49.33	62	42.60	35	40.89	61
17	56.253	194	48.71	88	42.25	34	40.28	103
27	56.059	182	47.83	113	41.91	31	39.25	141
Sept. 6	55.877	158	46.70	132	41.60	28	37.84	175
16	55.719	124	45.38	145	41.32	22	36.09	201
26	55.595	81	43.93	153	41.10	16	34.08	221
Okt. 6	55.514	28	42.40	153	40.94	7	31.87	231
16	55.486	31	40.87	145	40.87	1	29.56	231
26	55.517	95	39.42	130	40.88	11	27.25	221
Nov. 5	55.612	161	38.12	107	40.99	21	25.04	201
15	55.773	224	37.05	78	41.20	29	23.03	172
25	55.997	282	36.27	45	41.49	38	21.31	136
Dez. 5	56.279	332	35.82	7	41.87	45	19.95	92
15	56.611	373	35.75	30	42.32	51	19.03	46
25	56.984	401	36.05	69	42.83	55	18.57	3
35	57.385		36.74		43.38		18.60	
Mittl. Ort	55.584		33.23		42.10		19.77	
sec δ, tg δ	1.342		−0.896		2.033		−1.770	

Tag	543) ζ Bootis med. AR.	Δ	Dekl.	Δ	542) α Apodis AR.	Δ	Dekl.	Δ
1928	$14^h\ 37^m$		$+14°\ 1'$		$14^h\ 38^m$		$-78°\ 44'$	
Jan. 1	40.959	318	68.89	236	43.37	127	7.48	37
11	41.277	328	66.53	213	44.64	132	7.11	19
21	41.605	328	64.40	183	45.96	133	7.30	76
31	41.933	321	62.57	148	47.29	130	8.06	129
Feb. 10	42.254	304	61.09	109	48.59	126	9.35	177
20	42.558	283	60.00	67	49.85	118	11.12	221
März 1	42.841	256	59.33	26	51.03	108	13.33	258
11	43.097	226	59.07	13	52.11	95	15.91	290
21	43.323	195	59.20	49	53.06	82	18.81	314
31	43.518	163	59.69	80	53.88	68	21.95	331
Apr. 10	43.681	131	60.49	105	54.56	52	25.26	342
20	43.812	100	61.54	123	55.08	36	28.68	346
30	43.912	69	62.77	137	55.44	19	32.14	343
Mai 9	43.981	40	64.14	142	55.63	2	35.57	332
19	44.021	12	65.56	143	55.65	14	38.89	314
29	44.033	16	66.99	137	55.51	31	42.03	289
Juni 8	44.017	41	68.36	128	55.20	46	44.92	259
18	43.976	65	69.64	115	54.74	60	47.51	221
28	43.911	88	70.79	98	54.14	72	49.72	178
Juli 8	43.823	107	71.77	79	53.42	83	51.50	131
18	43.716	123	72.56	57	52.59	91	52.81	79
28	43.593	134	73.13	34	51.68	95	53.60	26
Aug. 7	43.459	141	73.47	9	50.73	97	53.86	29
17	43.318	141	73.56	15	49.76	95	53.57	83
27	43.177	134	73.41	43	48.81	88	52.74	134
Sept. 6	43.043	120	72.98	69	47.93	79	51.40	181
16	42.923	98	72.29	97	47.14	66	49.59	221
26	42.825	69	71.32	124	46.48	49	47.38	253
Okt. 6	42.756	31	70.08	151	45.99	30	44.85	275
16	42.725	12	68.57	178	45.69	9	42.10	287
26	42.737	59	66.79	202	45.60	14	39.23	287
Nov. 5	42.796	109	64.77	224	45.74	37	36.36	274
15	42.905	159	62.53	241	46.11	59	33.62	251
25	43.064	205	60.12	253	46.70	79	31.11	217
Dez. 5	43.269	247	57.59	259	47.49	97	28.94	175
15	43.516	283	55.00	257	48.46	111	27.19	125
25	43.799	308	52.43	246	49.57	123	25.94	71
35	44.107		49.97		50.80		25.23	
Mittl. Ort	42.584		70.42		49.73		28.45	
sec δ, tg δ	1.031		+0.250		5.122		−5.023	

[1]) Ort des hellen Sterns; die jährliche Parallaxe (0.″75) ist bereits berücksichtigt.

Scheinbare Sternörter 1928

Tag	545) μ Virginis AR.		545) μ Virginis Dekl.		547) 109 Virginis AR.		547) 109 Virginis Dekl.		548) α Librae AR.		548) α Librae Dekl.		549) Grb 2164 AR.		549) Grb 2164 Dekl.	
1928	14h 39m		−5° 20′		14h 42m		+2° 11′		14h 46m		−15° 44′		14h 49m		+59° 34′	
Jan. 1	14.046	320	41.92	195	34.720	314	44.82	212	51.605	326	29.81	161	34.740	465	57.91	264
11	14.366	327	43.87	192	35.034	323	42.70	201	51.931	337	31.42	169	35.205	501	55.27	210
21	14.693	328	45.79	183	35.357	324	40.69	184	52.268	338	33.11	172	35.706	519	53.17	150
31	15.021	318	47.62	167	35.681	316	38.85	161	52.606	329	34.83	168	36.225	521	51.67	84
Feb. 10	15.339	302	49.29	148	35.997	301	37.24	134	52.935	314	36.51	160	36.746	506	50.83	18
20	15.641	281	50.77	125	36.298	280	35.90	102	53.249	292	38.11	148	37.252	475	50.65	49
März 1	15.922	255	52.02	99	36.578	255	34.88	71	53.541	268	39.59	132	37.727	433	51.14	111
11	16.177	226	53.01	74	36.833	227	34.17	40	53.809	240	40.91	115	38.160	379	52.25	167
21	16.403	198	53.75	49	37.060	197	33.77	9	54.049	212	42.06	97	38.539	317	53.92	215
31	16.601	168	54.24	25	37.257	168	33.68	17	54.261	182	43.03	79	38.856	249	56.07	253
Apr. 10	16.769	139	54.49	4	37.425	138	33.85	40	54.443	152	43.82	62	39.105	179	58.60	280
20	16.908	110	54.53	13	37.563	109	34.25	58	54.595	124	44.44	47	39.284	109	61.40	295
30	17.018	81	54.40	27	37.672	81	34.83	73	54.719	94	44.91	33	39.393	38	64.35	300
Mai 9	17.099	53	54.13	38	37.753	52	35.56	82	54.813	65	45.24	21	39.431	28	67.35	294
19	17.152	26	53.75	46	37.805	24	36.38	87	54.878	36	45.45	10	39.403	93	70.29	277
29	17.178	0	53.29	50	37.829	2	37.25	88	54.914	7	45.55	0	39.310	151	73.06	253
Juni 8	17.178	27	52.79	54	37.827	28	38.13	86	54.921	20	45.55	8	39.159	204	75.59	221
18	17.151	51	52.25	54	37.799	52	38.99	81	54.901	48	45.47	16	38.955	250	77.80	182
28	17.100	74	51.71	53	37.747	76	39.80	74	54.853	73	45.31	22	38.705	291	79.62	138
Juli 8	17.026	95	51.18	51	37.671	96	40.54	64	54.780	96	45.09	29	38.414	322	81.00	91
18	16.931	112	50.67	47	37.575	113	41.18	54	54.684	115	44.80	35	38.092	346	81.91	42
28	16.819	124	50.20	42	37.462	126	41.72	41	54.569	130	44.45	40	37.746	361	82.33	9
Aug. 7	16.695	132	49.78	35	37.336	133	42.13	28	54.439	139	44.05	43	37.385	366	82.24	61
17	16.563	133	49.43	27	37.203	135	42.41	12	54.300	141	43.62	46	37.019	361	81.63	111
27	16.430	127	49.16	18	37.068	130	42.53	4	54.159	136	43.16	45	36.658	346	80.52	160
Sept. 6	16.303	113	48.98	5	36.938	116	42.49	22	54.023	122	42.71	42	36.312	319	78.92	206
16	16.190	91	48.93	9	36.822	95	42.27	42	53.901	100	42.29	37	35.993	280	76.86	249
26	16.099	60	49.02	26	36.727	65	41.85	64	53.801	69	41.92	27	35.713	231	74.37	289
Okt. 6	16.039	23	49.28	45	36.662	29	41.21	87	53.732	30	41.65	14	35.482	170	71.48	323
16	16.016	20	49.73	67	36.633	13	40.34	110	53.702	16	41.51	3	35.312	101	68.25	351
26	16.036	68	50.40	89	36.646	61	39.24	133	53.718	65	41.54	23	35.211	23	64.74	371
Nov. 5	16.104	118	51.29	113	36.707	110	37.91	156	53.783	116	41.77	47	35.188	59	61.03	384
15	16.222	167	52.42	136	36.817	158	36.35	178	53.899	167	42.24	70	35.247	144	57.19	387
25	16.389	213	53.78	156	36.975	205	34.57	195	54.066	216	42.94	95	35.391	227	53.32	380
Dez. 5	16.602	254	55.34	174	37.180	246	32.62	208	54.282	259	43.89	118	35.618	307	49.52	362
15	16.856	287	57.08	187	37.426	281	30.54	215	54.541	293	45.07	138	35.925	377	45.90	334
25	17.143	312	58.95	194	37.707	305	28.39	215	54.834	319	46.45	154	36.302	436	42.56	295
35	17.455		60.89		38.012		26.24		55.153		47.99		36.738		39.61	
Mittl. Ort	15.783		46.22		36.424		42.91		53.475		36.99		36.599		69.52	
sec δ, tg δ	1.004		−0.094		1.001		+0.038		1.039		−0.282		1.975		+1.704	

Tag	550) β Ursae min. AR.		Dekl.		551) Pi XIV, 221 AR.		Dekl.		552) β Lupi AR.		Dekl.		555) β Bootis AR.		Dekl.	
1928	14h 50m		+74° 26′		14h 52m		+14° 43′		14h 53m		−42° 50′		14h 59m		+40° 39′	
Jan. 1	51.28	77	46.13	248	47.574	311	68.45	239	45.963	405	28.71	63	12.305	347	76.90	275
11	52.05	84	43.65	191	47.885	324	66.06	217	46.368	418	29.34	96	12.652	370	74.15	232
21	52.89	89	41.74	126	48.209	327	63.89	187	46.786	421	30.30	127	13.022	380	71.83	182
31	53.78	90	40.48	59	48.536	322	62.02	151	47.207	413	31.57	152	13.402	380	70.01	126
Feb. 10	54.68	88	39.89	9	48.858	309	60.51	112	47.620	397	33.09	173	13.782	368	68.75	66
20	55.56	84	39.98	76	49.167	289	59.39	70	48.017	372	34.82	189	14.150	347	68.09	6
März 1	56.40	76	40.74	138	49.456	265	58.69	28	48.389	343	36.71	200	14.497	319	68.03	52
11	57.16	66	42.12	193	49.721	238	58.41	13	48.732	311	38.71	207	14.816	284	68.55	106
21	57.82	54	44.05	238	49.959	207	58.54	51	49.043	276	40.78	210	15.100	246	69.61	154
31	58.36	41	46.43	274	50.166	177	59.05	83	49.319	238	42.88	209	15.346	203	71.15	193
Apr. 10	58.77	27	49.17	298	50.343	145	59.88	109	49.557	201	44.97	205	15.549	161	73.08	224
20	59.04	13	52.15	310	50.488	114	60.97	129	49.758	163	47.02	198	15.710	118	75.32	245
30	59.17	1	55.25	310	50.602	84	62.26	143	49.921	123	49.00	188	15.828	74	77.77	255
Mai 9	59.16	14	58.35	300	50.686	53	63.69	150	50.044	83	50.88	176	15.902	32	80.32	257
19	59.02	27	61.35	280	50.739	24	65.19	151	50.127	43	52.64	162	15.934	8	82.89	249
29	58.75	39	64.15	251	50.763	5	66.70	147	50.170	3	54.26	143	15.926	47	85.38	233
Juni 8	58.36	50	66.66	214	50.758	32	68.17	136	50.173	37	55.69	123	15.879	83	87.71	211
18	57.86	58	68.80	171	50.726	58	69.53	123	50.136	75	56.92	100	15.796	116	89.82	181
28	57.28	65	70.51	124	50.668	83	70.76	107	50.061	111	57.92	74	15.680	145	91.63	148
Juli 8	56.63	71	71.75	73	50.585	104	71.83	86	49.950	143	58.66	46	15.535	171	93.11	110
18	55.92	74	72.48	21	50.481	123	72.69	64	49.807	170	59.12	18	15.364	193	94.21	69
28	55.18	77	72.69	33	50.358	136	73.33	40	49.637	190	59.30	12	15.171	208	94.90	26
Aug. 7	54.41	78	72.36	85	50.222	145	73.73	15	49.447	202	59.18	41	14.963	216	95.16	17
17	53.63	75	71.51	137	50.077	148	73.88	11	49.245	206	58.77	70	14.747	218	94.99	61
27	52.88	72	70.14	187	49.929	143	73.77	38	49.039	197	58.07	96	14.529	212	94.38	105
Sept. 6	52.16	66	68.27	232	49.786	131	73.39	67	48.842	179	57.11	118	14.317	196	93.33	148
16	51.50	60	65.95	275	49.655	111	72.72	94	48.663	149	55.93	135	14.121	173	91.85	189
26	50.90	50	63.20	312	49.544	83	71.78	123	48.514	107	54.58	146	13.948	139	89.96	226
Okt. 6	50.40	39	60.08	344	49.461	46	70.55	151	48.407	57	53.12	151	13.809	97	87.70	262
16	50.01	27	56.64	368	49.415	4	69.04	177	48.350	3	51.61	148	13.712	48	85.08	293
26	49.74	13	52.96	385	49.411	42	67.27	203	48.353	67	50.13	138	13.664	7	82.15	319
Nov. 5	49.61	1	49.11	393	49.453	93	65.24	225	48.420	134	48.75	119	13.671	66	78.96	337
15	49.62	16	45.18	392	49.546	143	62.99	242	48.554	199	47.56	95	13.737	127	75.59	349
25	49.78	31	41.26	381	49.689	190	60.57	255	48.753	261	46.61	64	13.864	186	72.10	350
Dez. 5	50.09	46	37.45	357	49.879	235	58.02	261	49.014	316	45.97	31	14.050	241	68.60	344
15	50.55	60	33.88	324	50.114	271	55.41	260	49.330	361	45.66	4	14.291	290	65.16	326
25	51.15	70	30.64	281	50.385	300	52.81	250	49.691	394	45.70	42	14.581	329	61.90	298
35	51.85		27.83		50.685		50.31		50.085		46.12		14.910		58.92	
Mittl. Ort	53.78		59.10		49.270		70.37		48.362		42.82		14.033		85.18	
sec δ, tg δ	3.730		+3.594		1.034		+0.263		1.364		−0.927		1.319		+0.859	

Scheinbare Sternörter 1928

Tag	556) γ Scorpii AR.		556) γ Scorpii Dekl.		557) ψ Bootis AR.		557) ψ Bootis Dekl.		558) ζ Lupi AR.		558) ζ Lupi Dekl.		560) γ Triang. austr. AR.		560) γ Triang. austr. Dekl.	
1928	14ʰ 59ᵐ		−24° 59′		15ʰ 1ᵐ		+27° 13′		15ʰ 7ᵐ		−51° 49′		15ʰ 12ᵐ		−68° 24′	
Jan. 1	48.988	339	51.45	122	19.898	317	33.57	263	3.152	456	20.15	14	5.40	70	37.62	52
11	49.327	352	52.67	139	20.215	334	30.94	230	3.608	477	20.29	55	6.10	74	37.10	1
21	49.679	355	54.06	152	20.549	341	28.64	190	4.085	485	20.84	93	6.84	75	37.09	47
31	50.034	348	55.58	159	20.890	340	26.74	144	4.570	479	21.77	126	7.59	75	37.56	94
Feb. 10	50.382	334	57.17	161	21.230	328	25.30	93	5.049	465	23.03	156	8.34	74	38.50	137
20	50.716	315	58.78	159	21.558	309	24.37	41	5.514	441	24.59	181	9.08	71	39.87	177
März 1	51.031	291	60.37	152	21.867	285	23.96	11	5.955	410	26.40	202	9.79	66	41.64	211
11	51.322	264	61.89	144	22.152	255	24.07	59	6.365	376	28.42	218	10.45	60	43.75	241
21	51.586	235	63.33	134	22.407	224	24.66	102	6.741	336	30.60	228	11.05	54	46.16	264
31	51.821	206	64.67	122	22.631	190	25.68	140	7.077	295	32.88	235	11.59	47	48.80	281
Apr. 10	52.027	176	65.89	110	22.821	154	27.08	169	7.372	250	35.23	238	12.06	40	51.61	294
20	52.203	145	66.99	97	22.975	120	28.77	191	7.622	205	37.61	237	12.46	32	54.55	300
30	52.348	113	67.96	86	23.095	85	30.68	204	7.827	157	39.98	231	12.78	23	57.55	301
Mai 9*)	(7) 52.461	83	68.82	73	(7) 23.180	50	32.72	209	(9) 7.984	108	42.29	221	(10) 13.01	15	60.56	295
19	52.544	51	69.55	62	23.230	17	34.81	207	8.092	59	44.50	209	13.16	6	63.51	283
29	52.595	19	70.17	49	23.247	15	36.88	197	8.151	9	46.59	192	13.22	3	66.34	266
Juni 8	52.614	12	70.66	38	23.232	46	38.85	181	8.160	41	48.51	169	13.19	12	69.00	243
18	52.602	44	71.04	25	23.186	75	40.66	159	8.119	89	50.20	145	13.07	20	71.43	213
28	52.558	72	71.29	12	23.111	102	42.25	135	8.030	134	51.65	116	12.87	28	73.56	179
Juli 8	52.486	99	71.41	2	23.009	125	43.60	105	7.896	175	52.81	84	12.59	35	75.35	139
18	52.387	122	71.39	15	22.884	146	44.65	73	7.721	209	53.65	50	12.24	41	76.74	95
28	52.265	140	71.24	28	22.738	160	45.38	39	7.512	237	54.15	14	11.83	45	77.69	49
Aug. 7	52.125	152	70.96	40	22.578	171	45.77	4	7.275	253	54.29	23	11.38	47	78.18	1
17	51.973	157	70.56	52	22.407	174	45.81	32	7.022	260	54.06	59	10.91	49	78.19	48
27	51.816	152	70.04	62	22.233	169	45.49	68	6.762	253	53.47	93	10.42	47	77.71	95
Sept. 6	51.664	139	69.42	67	22.064	157	44.81	105	6.509	232	52.54	125	9.95	43	76.76	139
16	51.525	117	68.75	70	21.907	136	43.76	140	6.277	199	51.29	150	9.52	38	75.37	178
26	51.408	86	68.05	69	21.771	108	42.36	174	6.078	152	49.79	171	9.14	30	73.59	210
Okt. 6	51.322	45	67.36	62	21.663	71	40.62	207	5.926	93	48.08	183	8.84	20	71.49	235
16	51.277	3	66.74	51	21.592	27	38.55	237	5.833	26	46.25	188	8.64	9	69.14	250
26	51.280	55	66.23	35	21.565	22	36.18	262	5.807	49	44.37	184	8.55	2	66.64	254
Nov. 5	51.335	110	65.88	14	21.587	75	33.56	284	5.856	128	42.53	171	8.57	15	64.10	247
15	51.445	165	65.74	9	21.662	128	30.72	300	5.984	205	40.82	149	8.72	28	61.63	230
25	51.610	216	65.83	35	21.790	180	27.72	307	6.189	278	39.33	122	9.00	40	59.33	204
Dez. 5	51.826	263	66.18	61	21.970	228	24.65	308	6.467	343	38.11	88	9.40	50	57.29	169
15	52.089	300	66.79	87	22.198	270	21.57	298	6.810	399	37.23	50	9.90	60	55.60	128
25	52.389	330	67.66	110	22.468	303	18.59	280	7.209	442	36.73	9	10.50	67	54.32	81
35	52.719		68.76		22.771		15.79		7.651		36.64		11.17		53.51	
Mittl. Ort	51.050		60.71		21.612		38.81		5.995		35.32		9.72		55.06	
sec δ, tg δ	1.103		−0.466		1.125		+0.515		1.618		−1.272		2.718		−2.528	

*) Bei Stern 560) lies Mai 10

Tag	563) δ Bootis AR.		Dekl.		564) β Librae AR.		Dekl.		565) 1 H. Ursae min. AR.		Dekl.		566) φ¹ Lupi AR.		Dekl.	
1928	$15^h\ 12^m$		$+33°\ 34'$		$15^h\ 13^m$		$-9°\ 7'$		$15^h\ 13^m$		$+67°\ 36'$		$15^h\ 17^m$		$-35°\ 59'$	
Jan. 1	34.229	320	50.39	277	5.842	308	1.84	172	45.98	54	59.56	282	11.442	363	54.18	66
11	34.549	342	47.62	240	6.150	321	3.56	173	46.52	60	56.74	229	11.805	381	54.84	93
21	34.891	353	45.22	196	6.471	327	5.29	168	47.12	64	54.45	168	12.186	388	55.77	116
31	35.244	355	43.26	145	6.798	324	6.97	158	47.76	66	52.77	103	12.574	385	56.93	134
Feb. 10	35.599	345	41.81	90	7.122	313	8.55	143	48.42	65	51.74	34	12.959	373	58.27	149
20	35.944	329	40.91	34	7.435	297	9.98	124	49.07	62	51.40	34	13.332	356	59.76	159
März 1	36.273	305	40.57	22	7.732	276	11.22	103	49.69	58	51.74	99	13.688	333	61.35	165
11	36.578	275	40.79	75	8.008	253	12.25	80	50.27	52	52.73	158	14.021	306	63.00	167
21	36.853	243	41.54	122	8.261	227	13.05	58	50.79	45	54.31	209	14.327	277	64.67	167
31	37.096	207	42.76	163	8.488	200	13.63	36	51.24	36	56.40	251	14.604	246	66.34	164
Apr. 10	37.303	170	44.39	194	8.688	173	13.99	17	51.60	26	58.91	283	14.850	213	67.98	159
20	37.473	132	46.33	217	8.861	145	14.16	1	51.86	17	61.74	302	15.063	180	69.57	152
30	37.605	94	48.50	232	9.006	116	14.17	13	52.03	7	64.76	310	15.243	146	71.09	145
Mai 10	37.699	56	50.82	237	9.122	87	14.04	23	52.10	1	67.86	307	15.389	109	72.54	135
19	37.755	19	53.19	233	9.209	58	13.81	31	52.09	11	70.93	294	15.498	72	73.89	123
29	37.774	17	55.52	223	9.267	29	13.50	37	51.98	20	73.87	271	15.570	35	75.12	111
Juni 8	37.757	50	57.75	205	9.296	1	13.13	41	51.78	27	76.58	241	15.605	2	76.23	96
18	37.707	83	59.80	180	9.295	30	12.72	43	51.51	35	78.99	203	15.603	40	77.19	79
28	37.624	113	61.60	151	9.265	57	12.29	43	51.16	40	81.02	160	15.563	76	77.98	61
Juli 8	37.511	140	63.11	119	9.208	83	11.86	42	50.76	45	82.62	112	15.487	109	78.59	41
18	37.371	162	64.30	83	9.125	106	11.44	41	50.31	49	83.74	62	15.378	137	79.00	19
28	37.209	179	65.13	44	9.019	124	11.03	39	49.82	52	84.36	11	15.241	161	79.19	4
Aug. 7	37.030	191	65.57	6	8.895	137	10.64	35	49.30	53	84.47	42	15.080	177	79.15	26
17	36.839	196	65.63	35	8.758	144	10.29	31	48.77	53	84.05	95	14.903	185	78.89	48
27	36.643	192	65.28	76	8.614	143	9.98	24	48.24	52	83.10	146	14.718	184	78.41	68
Sept. 6	36.451	181	64.52	116	8.471	133	9.74	17	47.72	49	81.64	194	14.534	172	77.73	86
16	36.270	161	63.36	155	8.338	115	9.57	6	47.23	44	79.70	240	14.362	148	76.87	99
26	36.109	133	61.81	193	8.223	89	9.51	6	46.79	39	77.30	282	14.214	115	75.88	108
Okt. 6	35.976	94	59.88	228	8.134	53	9.57	22	46.40	31	74.48	317	14.099	72	74.80	112
16	35.882	49	57.60	259	8.081	11	9.79	41	46.09	22	71.31	350	14.027	19	73.68	109
26	35.833	1	55.01	287	8.070	36	10.20	60	45.87	13	67.81	373	14.008	38	72.59	100
Nov. 5	35.834	56	52.14	308	8.106	86	10.80	81	45.74	3	64.08	387	14.046	99	71.59	85
15	35.890	112	49.06	324	8.192	137	11.61	103	45.71	9	60.21	394	14.145	160	70.74	64
25	36.002	168	45.82	330	8.329	186	12.64	124	45.80	20	56.27	390	14.305	218	70.10	39
Dez. 5	36.170	220	42.52	329	8.515	230	13.88	142	46.00	30	52.37	375	14.523	271	69.71	10
15	36.390	266	39.23	317	8.745	267	15.30	158	46.30	40	48.62	348	14.794	316	69.61	19
25	36.656	303	36.06	296	9.012	297	16.88	168	46.70	49	45.14	311	15.110	351	69.80	49
35	36.959		33.10		9.309		18.56		47.19		42.03		15.461		70.29	
Mittl. Ort	36.004		57.07		7.780		6.18		48.31		71.47		13.820		65.30	
sec δ, tg δ	1.200		+0.664		1.013		−0.160		2.626		+2.429		1.236		−0.726	

Tag	569) γ Ursae min.				568) μ Bootis				571) ι Draconis				572) β Coron. bor.			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1928	15h 20m		+72° 4′		15h 21m		+37° 37′		15h 23m		+59° 12′		15h 24m		+29° 20′	
	s		″		s		″		s		″		s		″	
Jan. 1	47.05	62	72.63	282	44.368	321	36.28	286	17.430	419	53.19	296	49.795	304	64.83	276
11	47.67	70	69.81	229	44.689	347	33.42	248	17.849	465	50.23	246	50.099	326	62.07	243
21	48.37	76	67.52	169	45.036	361	30.94	200	18.314	494	47.77	189	50.425	338	59.64	203
31	49.13	78	65.83	104	45.397	365	28.94	148	18.808	508	45.88	126	50.763	342	57.61	155
Feb. 10	49.91	78	64.79	35	45.762	358	27.46	91	19.316	506	44.62	58	51.105	335	56.06	104
20	50.69	76	64.44	33	46.120	343	26.55	31	19.822	487	44.04	9	51.440	321	55.02	51
März 1	51.45	71	64.77	99	46.463	321	26.24	27	20.309	456	44.13	73	51.761	300	54.51	4
11	52.16	64	65.76	158	46.784	292	26.51	82	20.765	413	44.86	134	52.061	274	54.55	55
21	52.80	55	67.34	210	47.076	258	27.33	132	21.178	359	46.20	188	52.335	245	55.10	102
31	53.35	44	69.44	253	47.334	221	28.65	174	21.537	300	48.08	233	52.580	213	56.12	143
Apr. 10	53.79	33	71.97	284	47.555	183	30.39	208	21.837	234	50.41	267	52.793	179	57.55	175
20	54.12	21	74.81	305	47.738	142	32.47	233	22.071	167	53.08	290	52.972	144	59.30	201
30	54.33	9	77.86	313	47.880	102	34.80	249	22.238	97	55.98	303	53.116	108	61.31	216
Mai 10	54.42	3	80.99	311	47.982	61	37.29	254	22.335	29	59.01	303	53.224	72	63.47	225
19	[12] 54.39	15	84.10	298	[12] 48.043	22	39.83	250	[13] 22.364	37	62.04	295	[13] 53.296	37	65.72	224
29	54.24	26	87.08	275	48.065	18	42.33	240	22.327	100	64.99	277	53.333	2	67.96	215
Juni 8	53.98	36	89.83	246	48.047	54	44.73	220	22.227	160	67.76	251	53.335	32	70.11	201
18	53.62	44	92.29	208	47.993	90	46.93	195	22.067	214	70.27	216	53.303	64	72.12	181
28	53.18	52	94.37	165	47.903	122	48.88	166	21.853	262	72.43	177	53.239	95	73.93	154
Juli 8	52.66	58	96.02	117	47.781	151	50.54	130	21.591	303	74.20	133	53.144	123	75.47	125
18	52.08	64	97.19	67	47.630	176	51.84	92	21.288	336	75.53	86	53.021	147	76.72	93
28	51.44	66	97.86	15	47.454	195	52.76	52	20.952	361	76.39	35	52.874	166	77.65	57
Aug. 7	50.78	68	98.01	38	47.259	208	53.28	9	20.591	376	76.74	15	52.708	180	78.22	20
17	50.10	69	97.63	90	47.051	215	53.37	33	20.215	381	76.59	67	52.528	187	78.42	17
27	49.41	67	96.73	141	46.836	212	53.04	76	19.834	375	75.92	117	52.341	186	78.25	56
Sept. 6	48.74	64	95.32	191	46.624	202	52.28	119	19.459	356	74.75	167	52.155	178	77.69	94
16	48.10	58	93.41	237	46.422	183	51.09	160	19.103	326	73.08	213	51.977	160	76.75	132
26	47.52	51	91.04	278	46.239	153	49.49	199	18.777	284	70.95	256	51.817	134	75.43	168
Okt. 6	47.01	43	88.26	316	46.086	116	47.50	237	18.493	229	68.39	295	51.683	98	73.75	203
16	46.58	33	85.10	346	45.970	70	45.13	269	18.264	165	65.44	329	51.585	56	71.72	235
26	46.25	20	81.64	370	45.900	18	42.44	298	18.099	91	62.15	356	51.529	8	69.37	264
Nov. 5	46.05	8	77.94	386	45.882	39	39.46	321	18.008	11	58.59	375	51.521	45	66.73	287
15	45.97	5	74.08	393	45.921	98	36.25	336	17.997	74	54.84	385	51.566	100	63.86	304
25	46.02	19	70.15	388	46.019	156	32.89	343	18.071	160	50.99	386	51.666	154	60.82	315
Dez. 5	46.21	32	66.27	373	46.175	211	29.46	340	18.231	241	47.13	376	51.820	204	57.67	316
15	46.53	45	62.54	348	46.386	260	26.06	328	18.472	318	43.37	355	52.024	249	54.51	308
25	46.98	55	59.06	311	46.646	302	22.78	306	18.790	384	39.82	321	52.273	287	51.43	292
35	47.53		55.95		46.948		19.72		19.174		36.61		52.560		48.51	
Mittl. Ort	49.74		84.66		46.201		43.73		19.535		64.02		51.621		70.55	
sec δ, tg δ	3.252		+3.094		1.263		+0.771		1.954		+1.679		1.147		+0.562	

Tag	573) ν¹ Bootis AR.		573) ν¹ Bootis Dekl.		575) γ Lupi AR.		575) γ Lupi Dekl.		577) γ Librae AR.		577) γ Librae Dekl.		578) α Coron. bor. AR.		578) α Coron. bor. Dekl.	
1928	15ʰ 28ᵐ		+41° 4′		15ʰ 30ᵐ		−40° 55′		15ʰ 31ᵐ		−14° 32′		15ʰ 31ᵐ		+26° 57′	
Jan. 1	18.679	324	31.55	293	17.462	377	22.74	34	27.633	305	56.95	143	36.481	296	16.41	274
11	19.003	353	28.62	254	17.839	397	23.08	63	27.938	322	58.38	149	36.777	319	13.67	244
21	19.356	370	26.08	206	18.236	408	23.71	90	28.260	330	59.87	151	37.096	333	11.23	206
31	19.726	377	24.02	150	18.644	409	24.61	114	28.590	330	61.38	147	37.429	336	9.17	161
Febr. 10	20.103	372	22.52	92	19.053	399	25.75	134	28.920	323	62.85	137	37.765	331	7.56	112
20	20.475	358	21.60	30	19.452	384	27.09	149	29.243	309	64.22	125	38.096	318	6.44	59
März 1	20.833	336	21.30	30	19.836	362	28.58	160	29.552	291	65.47	109	38.414	299	5.85	7
11	21.169	308	21.60	87	20.198	336	30.18	169	29.843	270	66.56	93	38.713	275	5.78	44
21	21.477	273	22.47	139	20.534	308	31.87	173	30.113	247	67.49	74	38.988	247	6.22	90
31	21.750	235	23.86	182	20.842	276	33.60	175	30.360	221	68.23	57	39.235	217	7.12	130
April 10	21.985	194	25.68	218	21.118	242	35.35	174	30.581	194	68.80	41	39.452	184	8.42	165
20	22.179	152	27.86	244	21.360	207	37.09	172	30.775	167	69.21	27	39.636	151	10.07	189
30	22.331	109	30.30	260	21.567	170	38.81	167	30.942	139	69.48	14	39.787	116	11.96	207
Mai 10	22.440	65	32.90	266	21.737	131	40.48	159	31.081	109	69.62	5	39.903	82	14.03	216
19	[14] 22.505	23	35.56	263	[15] 21.868	91	42.07	150	[15] 31.190	79	69.67	4	[15] 39.985	47	16.19	216
29	22.528	19	38.19	252	21.959	49	43.57	138	31.269	47	69.63	10	40.032	13	18.35	210
Juni 8	22.509	59	40.71	232	22.008	8	44.95	123	31.316	16	69.53	15	40.045	21	20.45	197
18	22.450	96	43.03	206	22.016	34	46.18	107	31.332	15	69.38	19	40.024	54	22.42	178
28	22.354	131	45.09	175	21.982	74	47.25	87	31.317	46	69.19	23	39.970	85	24.20	154
Juli 8	22.223	163	46.84	138	21.908	112	48.12	64	31.271	76	68.96	25	39.885	113	25.74	127
18	22.060	189	48.22	98	21.796	145	48.76	41	31.195	101	68.71	27	39.772	138	27.01	96
28	21.871	210	49.20	57	21.651	173	49.17	15	31.094	123	68.44	30	39.634	159	27.97	62
Aug. 7	21.661	225	49.77	13	21.478	193	49.32	12	30.971	140	68.14	31	39.475	173	28.59	27
17	21.436	232	49.90	33	21.285	204	49.20	38	30.831	149	67.83	32	39.302	181	28.86	9
27	21.204	231	49.57	77	21.081	204	48.82	63	30.682	152	67.51	31	39.121	183	28.77	47
Sept. 6	20.973	221	48.80	121	20.877	194	48.19	86	30.530	144	67.20	28	38.938	175	28.30	83
16	20.752	201	47.59	165	20.683	171	47.33	106	30.386	128	66.92	24	38.763	159	27.47	120
26	20.551	172	45.94	206	20.512	137	46.27	120	30.258	103	66.68	16	38.604	133	26.27	155
Okt. 6	20.379	134	43.88	243	20.375	93	45.07	129	30.155	68	66.52	5	38.471	100	24.72	190
16	20.245	87	41.45	278	20.282	39	43.78	131	30.087	28	66.47	8	38.371	59	22.82	222
26	20.158	33	38.67	307	20.243	22	42.47	127	30.059	21	66.55	25	38.312	11	20.60	251
Nov. 5	20.125	25	35.60	331	20.265	87	41.20	115	30.080	72	66.80	43	38.301	41	18.09	275
15	20.150	87	32.29	346	20.352	151	40.05	97	30.152	123	67.23	65	38.342	94	15.34	293
25	20.237	147	28.83	353	20.503	215	39.08	74	30.275	174	67.88	85	38.436	147	12.41	305
Dez. 5	20.384	206	25.30	350	20.718	273	38.34	47	30.449	220	68.73	105	38.583	198	9.36	309
15	20.590	258	21.80	337	20.991	322	37.87	17	30.669	261	69.78	122	38.781	242	6.27	303
25	20.848	302	18.43	314	21.313	361	37.70	15	30.930	292	71.00	137	39.023	279	3.24	288
35	21.150		15.29		21.674		37.85		31.222		72.37		39.302		0.36	
Mittl. Ort	20.562		39.58		20.059		34.13		29.716		62.02		38.335		21.59	
sec δ, tg δ	1.327		+0.872		1.324		−0.867		1.033		−0.260		1.122		+0.508	

Tag	582) α Serpentis AR.	Diff.	Dekl.	Diff.	583) β Serpentis AR.	Diff.	Dekl.	Diff.
1928	15h 40m		+6° 38′		15h 42m		+15° 38′	
Jan. 1	41.256	282	63.19	220	49.917	281	42.99	248
11	41.538	303	60.99	207	50.198	302	40.51	228
21	41.841	313	58.92	187	50.500	315	38.23	200
31	42.154	315	57.05	160	50.815	319	36.23	166
Feb. 10	42.469	311	55.45	130	51.134	315	34.57	126
20	42.780	300	54.15	95	51.449	305	33.31	83
März 1	43.080	283	53.20	58	51.754	289	32.48	38
11	43.363	264	52.62	22	52.043	268	32.10	5
21	43.627	241	52.40	12	52.311	244	32.15	46
31	43.868	216	52.52	43	52.555	218	32.61	82
Apr. 10	44.084	189	52.95	71	52.773	191	33.43	114
20	44.273	162	53.66	93	52.964	162	34.57	138
30	44.435	134	54.59	109	53.126	131	35.95	156
Mai 10	17 44.569	104	55.68	120	18 53.257	101	37.51	166
19	44.673	74	56.88	125	53.358	68	39.17	171
29	44.747	43	58.13	126	53.426	37	40.88	169
Juni 8	44.790	12	59.39	122	53.463	5	42.57	161
18	44.802	19	60.61	114	53.468	27	44.18	149
28	44.783	48	61.75	103	53.441	58	45.67	132
Juli 8	44.735	77	62.78	89	53.383	87	46.99	112
18	44.658	103	63.67	74	53.296	112	48.11	90
28	44.555	124	64.41	56	53.184	134	49.01	65
Aug. 7	44.431	140	64.97	38	53.050	151	49.66	38
17	44.291	151	65.35	17	52.899	162	50.04	11
27	44.140	154	65.52	3	52.737	164	50.15	18
Sept. 6	43.986	149	65.49	25	52.573	160	49.97	47
16	43.837	135	65.24	49	52.413	146	49.50	77
26	43.702	113	64.75	72	52.267	123	48.73	107
Okt. 6	43.589	82	64.03	96	52.144	93	47.66	137
16	43.507	43	63.07	121	52.051	54	46.29	166
26	43.464	0	61.86	146	51.997	9	44.63	192
Nov. 5	43.464	50	60.40	168	51.988	40	42.71	216
15	43.514	99	58.72	189	52.028	90	40.55	237
25	43.613	149	56.83	206	52.118	141	38.18	253
Dez. 5	43.762	194	54.77	218	52.259	189	35.65	262
15	43.956	235	52.59	224	52.448	230	33.03	262
25	44.191	269	50.35	224	52.678	266	30.41	257
35	44.460		48.11		52.944		27.84	
Mittl. Ort	43.198		63.72		51.831		45.68	
sec δ, tg δ	1.007		+0.117		1.038		+0.280	

Tag	584) κ Serpentis AR.	Diff.	Dekl.	Diff.	585) μ Serpentis AR.	Diff.	Dekl.	Diff.
1928	15h 45m		+18° 21′		15h 45m		−3° 12′	
Jan. 1	27.969	281	42.74	257	49.592	284	38.24	183
11	28.250	302	40.17	234	49.876	304	40.07	178
21	28.552	316	37.83	204	50.180	314	41.85	169
31	28.868	321	35.79	167	50.494	317	43.54	153
Feb. 10	29.189	317	34.12	126	50.811	312	45.07	131
20	29.506	307	32.86	80	51.123	302	46.38	107
März 1	29.813	292	32.06	33	51.425	287	47.45	81
11	30.105	272	31.73	13	51.712	268	48.26	52
21	30.377	247	31.86	55	51.980	246	48.78	25
31	30.624	221	32.41	93	52.226	222	49.03	0
Apr. 10	30.845	194	33.34	125	52.448	198	49.03	22
20	31.039	163	34.59	151	52.646	171	48.81	41
30	31.202	133	36.10	169	52.817	144	48.40	55
Mai 10	18 31.335	101	37.79	180	19 52.961	115	47.85	66
19	31.436	69	39.59	184	53.076	85	47.19	72
29	31.505	35	41.43	182	53.161	54	46.47	75
Juni 8	31.540	3	43.25	173	53.215	23	45.72	76
18	31.543	29	44.98	160	53.238	8	44.96	73
28	31.514	60	46.58	141	53.230	40	44.23	68
Juli 8	31.454	90	47.99	120	53.190	68	43.55	61
18	31.364	116	49.19	95	53.122	95	42.94	54
28	31.248	138	50.14	68	53.027	119	42.40	45
Aug. 7	31.110	156	50.82	39	52.908	136	41.95	35
17	30.954	166	51.21	10	52.772	147	41.60	24
27	30.788	170	51.31	21	52.625	152	41.36	13
Sept. 6	30.618	165	51.10	53	52.473	148	41.23	0
16	30.453	152	50.57	84	52.325	134	41.23	15
26	30.301	129	49.73	116	52.191	112	41.38	32
Okt. 6	30.172	98	48.57	148	52.079	81	41.70	50
16	30.074	60	47.09	177	51.998	43	42.20	69
26	30.014	15	45.32	204	51.955	2	42.89	89
Nov. 5	29.999	34	43.28	230	51.957	51	43.78	110
15	30.033	85	40.98	250	52.008	101	44.88	130
25	30.118	136	38.48	265	52.109	150	46.18	149
Dez. 5	30.254	185	35.83	274	52.259	197	47.67	164
15	30.439	227	33.09	273	52.456	237	49.31	176
25	30.666	264	30.36	266	52.693	270	51.07	182
35	30.930		27.70		52.963		52.89	
Mittl. Ort	29.888		46.06		51.622		39.96	
sec δ, tg δ	1.054		+0.333		1.002		−0.056	

Tag	590) ζ Ursae min. AR.		590) ζ Ursae min. Dekl.		588) ε Serpentis AR.		588) ε Serpentis Dekl.		589) β Triang. austr. AR.		589) β Triang. austr. Dekl.		593) ε Coron. bor. AR.		593) ε Coron. bor. Dekl.	
1928	15h 46m		+78° 0'		15h 47m		+4° 41'		15h 48m		−63° 12'		15h 54m		+27° 4'	
Jan. 1	31.59	76	49.01	298	11.534	279	35.65	211	42.84	55	23.28	78	34.388	278	62.01	281
11	32.35	91	46.03	248	11.813	299	33.54	201	43.39	60	22.50	35	34.666	305	59.20	253
21	33.26	102	43.55	192	12.112	311	31.53	184	43.99	62	22.15	8	34.971	322	56.67	217
31	34.28	108	41.63	128	12.423	315	29.69	159	44.61	64	22.23	50	35.293	330	54.50	173
Feb. 10	35.36	111	40.35	61	12.738	311	28.10	131	45.25	63	22.73	89	35.623	330	52.77	125
20	36.47	111	39.74	7	13.049	300	26.79	98	45.88	62	23.62	127	35.953	322	51.52	72
März 1	37.58	105	39.81	73	13.349	286	25.81	63	46.50	59	24.89	159	36.275	306	50.80	19
11	38.63	97	40.54	135	13.635	267	25.18	28	47.09	55	26.48	188	36.581	287	50.61	33
21	39.60	85	41.89	190	13.902	245	24.90	5	47.64	51	28.36	213	36.868	263	50.94	81
31	40.45	72	43.79	236	14.147	221	24.95	36	48.15	47	30.49	232	37.131	235	51.75	124
Apr. 10	41.17	55	46.15	272	14.368	195	25.31	62	48.62	41	32.81	247	37.366	205	52.99	161
20	41.72	37	48.87	297	14.563	169	25.93	83	49.03	35	35.28	259	37.571	173	54.60	189
30	42.09	20	51.84	311	14.732	141	26.76	100	49.38	28	37.87	265	37.744	139	56.49	209
Mai 10	42.29	1	54.95	313	14.873	111	27.76	111	49.66	22	40.52	265	37.883	105	58.58	221
19*)	19 42.30	18	58.08	305	19 14.984	81	28.87	116	19 49.88	14	43.17	261	21 37.988	70	60.79	224
29	42.12	34	61.13	288	15.065	50	30.03	118	50.02	7	45.78	251	38.058	34	63.03	220
Juni 8	41.78	50	64.01	262	15.115	19	31.21	115	50.09	1	48.29	236	38.092	2	65.23	210
18	41.28	64	66.63	228	15.134	12	32.36	108	50.08	8	50.65	215	38.090	39	67.33	192
28	40.64	78	68.91	188	15.122	43	33.44	98	50.00	15	52.80	188	38.051	72	69.25	170
Juli 8	39.86	88	70.79	144	15.079	72	34.42	86	49.85	21	54.68	157	37.979	103	70.95	144
18	38.98	97	72.23	95	15.007	99	35.28	72	49.64	28	56.25	120	37.876	131	72.39	113
28	38.01	103	73.18	44	14.908	121	36.00	56	49.36	33	57.45	81	37.745	155	73.52	80
Aug. 7	36.98	107	73.62	8	14.787	138	36.56	39	49.03	36	58.26	38	37.590	175	74.32	45
17	35.91	109	73.54	60	14.649	150	36.95	21	48.67	39	58.64	7	37.415	186	74.77	9
27	34.82	108	72.94	111	14.499	155	37.16	1	48.28	39	58.57	51	37.229	191	74.86	29
Sept. 6	33.74	104	71.83	161	14.344	151	37.17	19	47.89	37	58.06	93	37.038	188	74.57	67
16	32.70	98	70.22	208	14.193	137	36.98	40	47.52	34	57.13	133	36.850	174	73.90	104
26	31.72	89	68.14	253	14.056	116	36.58	62	47.18	29	55.80	168	36.676	153	72.86	141
Okt. 6	30.83	77	65.61	292	13.940	86	35.96	86	46.89	22	54.12	196	36.523	121	71.45	176
16	30.06	64	62.69	325	13.854	47	35.10	109	46.67	13	52.16	216	36.402	83	69.69	210
26	29.42	48	59.44	354	13.807	4	34.01	133	46.54	4	50.00	226	36.319	37	67.59	241
Nov. 5	28.94	30	55.90	373	13.803	44	32.68	156	46.50	7	47.74	228	36.282	14	65.18	267
15	28.64	11	52.17	384	13.847	95	31.12	176	46.57	17	45.46	219	36.296	68	62.51	288
25	28.53	9	48.33	385	13.942	143	29.36	193	46.74	27	43.27	201	36.364	121	59.63	301
Dez. 5	28.62	30	44.48	375	14.085	190	27.43	207	47.01	36	41.26	174	36.485	172	56.62	308
15	28.92	48	40.73	355	14.275	231	25.36	214	47.37	45	39.52	142	36.657	219	53.54	306
25	29.40	65	37.18	322	14.506	264	23.22	214	47.82	53	38.10	104	36.876	260	50.48	293
35	30.05		33.96		14.770		21.08		48.35		37.06		37.136		47.55	
Mittl. Ort	35.47		60.43		13.513		35.86		46.92		37.04		36.338		67.17	
sec δ, tg δ	4.816		+4.711		1.003		+0.082		2.219		−1.981		1.123		+0.511	

*) Bei Stern 593) lies Mai 20

Scheinbare Sternörter 1928

Tag	594) δ Scorpii AR.		594) δ Scorpii Dekl.		598) ϑ Draconis AR.		598) ϑ Draconis Dekl.		597) β Scorpii AR.		597) β Scorpii Dekl.		603) δ Ophiuchi AR.		603) δ Ophiuchi Dekl.	
1928	15h 56m		−22° 24′		16h 0m		+58° 45′		16h 1m		−19° 36′		16h 10m		−3° 30′	
Jan. 1	2.026	303	59.93	95	29.912	361	15.88	323	12.517	295	30.27	105	32.097	268	35.87	174
11	2.329	325	60.88	107	30.273	415	12.65	279	12.812	316	31.32	115	32.365	290	37.61	171
21	2.654	337	61.95	117	30.688	456	9.86	228	13.128	330	32.47	122	32.655	306	39.32	162
31	2.991	342	63.12	121	31.144	481	7.58	168	13.458	335	33.69	122	32.961	312	40.94	147
Feb. 10	3.333	339	64.33	121	31.625	493	5.90	102	13.793	333	34.91	119	33.273	312	42.41	126
20	3.672	329	65.54	117	32.118	488	4.88	35	14.126	325	36.10	113	33.585	306	43.67	103
März 1	4.001	314	66.71	110	32.606	469	4.53	32	14.451	311	37.23	103	33.891	295	44.70	76
11	4.315	297	67.81	101	33.075	438	4.85	96	14.762	293	38.26	91	34.186	279	45.46	48
21	4.612	275	68.82	91	33.513	397	5.81	155	15.055	274	39.17	78	34.465	261	45.94	22
31	4.887	252	69.73	81	33.910	346	7.36	207	15.329	251	39.95	66	34.726	240	46.16	4
Apr. 10	5.139	227	70.54	70	34.256	288	9.43	248	15.580	227	40.61	54	34.966	218	46.12	26
20	5.366	200	71.24	61	34.544	225	11.91	280	15.807	201	41.15	43	35.184	193	45.86	45
30	5.566	171	71.85	52	34.769	159	14.71	300	16.008	173	41.58	34	35.377	167	45.41	60
Mai 10	5.737	141	72.37	44	34.928	92	17.71	310	16.181	143	41.92	26	35.544	138	44.81	70
20	5.878	108	72.81	38	35.020	24	20.81	310	16.324	112	42.18	20	35.682	109	44.11	77
29	[21] 5.986	75	73.19	32	[22] 35.044	42	23.91	299	[22] 16.436	78	42.38	14	[25] 35.791	77	43.34	80
Juni 8	6.061	39	73.51	26	35.002	106	26.90	280	16.514	44	42.52	10	35.868	44	42.54	80
18	6.100	4	73.77	20	34.896	168	29.70	252	16.558	9	42.62	6	35.912	11	41.74	76
28	6.104	31	73.97	13	34.728	223	32.22	218	16.567	27	42.68	1	35.923	23	40.98	71
Juli 8	6.073	65	74.10	7	34.505	273	34.40	178	16.540	60	42.69	3	35.900	54	40.27	64
18	6.008	96	74.17	1	34.232	316	36.18	134	16.480	91	42.66	8	35.846	85	39.63	55
28	5.912	123	74.16	8	33.916	351	37.52	86	16.389	119	42.58	13	35.761	111	39.08	46
Aug. 7	5.789	144	74.08	17	33.565	376	38.38	36	16.270	140	42.45	18	35.650	133	38.62	36
17	5.645	159	73.91	24	33.189	392	38.74	14	16.130	156	42.27	23	35.517	148	38.26	26
27	5.486	165	73.67	31	32.797	395	38.60	66	15.974	162	42.04	28	35.369	156	38.00	14
Sept. 6	5.321	162	73.36	38	32.402	387	37.94	117	15.812	160	41.76	30	35.213	156	37.86	0
16	5.159	148	72.98	41	32.015	367	36.77	166	15.652	148	41.46	32	35.057	146	37.86	14
26	5.011	125	72.57	41	31.648	333	35.11	213	15.504	126	41.14	30	34.911	127	38.00	28
Okt. 6	4.886	92	72.16	39	31.315	287	32.98	257	15.378	94	40.84	25	34.784	99	38.28	46
16	4.794	51	71.77	32	31.028	229	30.41	296	15.284	54	40.59	18	34.685	63	38.74	64
26	4.743	2	71.45	23	30.799	161	27.45	330	15.230	8	40.41	6	34.622	20	39.38	83
Nov. 5	4.741	50	71.22	8	30.638	84	24.15	356	15.222	44	40.35	8	34.602	27	40.21	103
15	4.791	105	71.14	9	30.554	2	20.59	375	15.266	98	40.43	25	34.629	77	41.24	122
25	4.896	158	71.23	28	30.552	83	16.84	383	15.364	150	40.68	44	34.706	126	42.46	140
Dez. 5	5.054	208	71.51	47	30.635	167	13.01	381	15.514	200	41.12	62	34.832	174	43.86	155
15	5.262	252	71.98	68	30.802	248	9.20	369	15.714	243	41.74	81	35.006	217	45.41	167
25	5.514	289	72.66	85	31.050	321	5.51	343	15.957	279	42.55	96	35.223	252	47.08	173
35	5.803		73.51		31.371		2.08		16.236		43.51		35.475		48.81	
Mittl. Ort	4.330		65.69		32.255		25.62		14.798		35.15		34.223		36.87	
sec δ, tg δ	1.082		−0.413		1.928		+1.648		1.062		−0.356		1.002		−0.061	

Tag	606) 19 Ursae min. AR.		606) Dekl.		604) γ^2 Normae AR.		604) Dekl.		605) ε Ophiuchi AR.		605) Dekl.		608) τ Herculis AR.		608) Dekl.	
1928	$16^h\ 12^m$		+76° 3′		$16^h\ 14^m$		−49° 58′		$16^h\ 14^m$		−4° 31′		$16^h\ 17^m$		+46° 28′	
Jan. 1	47.33	59	23.89	321	23.323	391	40.35	51	28.413	266	4.98	168	32.362	287	54.55	325
11	47.92	72	20.68	277	23.714	427	39.84	19	28.679	290	6.66	166	32.649	329	51.30	289
21	48.64	83	17.91	225	24.141	451	39.65	13	28.969	305	8.32	157	32.978	360	48.41	245
31	49.47	91	15.66	165	24.592	463	39.78	43	29.274	313	9.89	143	33.338	381	45.96	191
Feb. 10	50.38	95	14.01	99	25.055	465	40.21	70	29.587	312	11.32	125	33.719	390	44.05	132
20	51.33	97	13.02	31	25.520	459	40.91	96	29.899	307	12.57	101	34.109	389	42.73	68
März 1	52.30	94	12.71	37	25.979	444	41.87	119	30.206	296	13.58	76	34.498	378	42.05	4
11	53.24	88	13.08	101	26.423	424	43.06	137	30.502	282	14.34	49	34.876	359	42.01	58
21	54.12	80	14.09	160	26.847	399	44.43	153	30.784	264	14.83	23	35.235	330	42.59	117
31	54.92	70	15.69	212	27.246	369	45.96	167	31.048	244	15.06	1	35.565	297	43.76	169
April 10	55.62	57	17.81	254	27.615	336	47.63	177	31.292	222	15.05	23	35.862	259	45.45	213
20	56.19	42	20.35	285	27.951	298	49.40	184	31.514	197	14.82	42	36.121	216	47.58	249
30	56.61	27	23.20	306	28.249	256	51.24	190	31.711	171	14.40	55	36.337	170	50.07	273
Mai 10	56.88	12	26.26	316	28.505	211	53.14	191	31.882	143	13.85	66	36.507	123	52.80	287
20	57.00	4	29.42	315	28.716	163	55.05	190	32.025	113	13.19	73	36.630	73	55.67	292
29	[25] 56.96	19	32.57	304	[26] 28.879	112	56.95	185	[26] 32.138	82	12.46	76	[27] 36.703	24	58.59	288
Juni 8	56.77	34	35.61	284	28.991	59	58.80	176	32.220	48	11.70	75	36.727	26	61.47	274
18	56.43	47	38.45	256	29.050	4	60.56	163	32.268	15	10.95	73	36.701	73	64.21	253
28	55.96	60	41.01	221	29.054	50	62.19	146	32.283	19	10.22	68	36.628	119	66.74	225
Juli 8	55.36	70	43.22	180	29.004	101	63.65	125	32.264	52	9.54	61	36.509	160	68.99	191
18	54.66	79	45.02	134	28.903	149	64.90	100	32.212	82	8.93	53	36.349	199	70.90	152
28	53.87	86	46.36	86	28.754	191	65.90	71	32.130	109	8.40	45	36.150	231	72.42	110
Aug. 7	53.01	91	47.22	36	28.563	224	66.61	41	32.021	131	7.95	36	35.919	256	73.52	65
17	52.10	94	47.58	17	28.339	247	67.02	8	31.890	148	7.59	26	35.663	274	74.17	18
27	51.16	95	47.41	69	28.092	258	67.10	26	31.742	157	7.33	14	35.389	282	74.35	31
Sept. 6	50.21	94	46.72	120	27.834	257	66.84	58	31.585	156	7.19	3	35.107	281	74.04	78
16	49.27	90	45.52	169	27.577	240	66.26	89	31.429	148	7.16	10	34.826	268	73.26	125
26	48.37	83	43.83	216	27.337	210	65.37	117	31.281	129	7.26	24	34.558	246	72.01	172
Okt. 6	47.54	74	41.67	261	27.127	166	64.20	139	31.152	101	7.50	41	34.312	212	70.29	216
16	46.80	64	39.06	299	26.961	109	62.81	154	31.051	66	7.91	58	34.100	169	68.13	256
26	46.16	50	36.07	331	26.852	44	61.27	163	30.985	23	8.49	76	33.931	117	65.57	293
Nov. 5	45.66	36	32.76	358	26.808	29	59.64	165	30.962	25	9.25	96	33.814	56	62.64	322
15	45.30	19	29.18	375	26.837	104	57.99	158	30.987	74	10.21	115	33.758	7	59.42	345
25	45.11	2	25.43	384	26.941	179	56.41	145	31.061	124	11.36	132	33.765	73	55.97	360
Dez. 5	45.09	16	21.59	381	27.120	249	54.96	124	31.185	171	12.68	148	33.838	139	52.37	365
15	45.25	33	17.78	368	27.369	314	53.72	99	31.356	214	14.16	159	33.977	201	48.72	358
25	45.58	49	14.10	341	27.683	368	52.73	70	31.570	251	15.75	166	34.178	257	45.14	341
35	46.07		10.69		28.051		52.03		31.821		17.41		34.435		41.73	
Mittl. Ort	51.18		34.23		26.567		50.04		30.562		6.06		34.532		62.47	
sec δ, tg δ	4.151		+4.029		1.555		−1.191		1.003		−0.079		1.452		+1.053	

Scheinbare Sternörter 1928

Tag	609) γ Herculis AR.	Δ	Dekl.	Δ	611) γ Apodis AR.	Δ	Dekl.	Δ
1928	16h 18m		+19° 18′		16h 22m		−78° 44′	
Jan. 1	42.521	255	72.27	262	12.07	105	7.50	176
11	42.776	282	69.65	242	13.12	118	5.74	131
21	43.058	301	67.23	214	14.30	128	4.43	84
31	43.359	312	65.09	178	15.58	135	3.59	36
Feb. 10	43.671	315	63.31	137	16.93	138	3.23	14
20	43.986	311	61.94	91	18.31	138	3.37	61
März 1	44.297	302	61.03	43	19.69	135	3.98	106
11	44.599	287	60.60	5	21.04	130	5.04	149
21	44.886	267	60.65	50	22.34	123	6.53	187
31	45.153	246	61.15	90	23.57	112	8.40	221
Apr. 10	45.399	221	62.05	126	24.69	101	10.61	250
20	45.620	193	63.31	156	25.70	87	13.11	274
30	45.813	164	64.87	177	26.57	73	15.85	292
Mai 10	45.977	132	66.64	191	27.30	56	18.77	305
20	46.109	100	68.55	198	27.86	39	21.82	310
29	46.209	65	70.53	197	28.25	21	24.92	309
Juni 8	46.274	30	72.50	192	28.46	3	28.01	301
18	46.304	5	74.42	180	28.49	16	31.02	285
28	46.299	40	76.22	162	28.33	34	33.87	262
Juli 8	46.259	74	77.84	141	27.99	50	36.49	231
18	46.185	104	79.25	117	27.49	66	38.80	195
28	46.081	132	80.42	90	26.83	79	40.75	151
Aug. 7	45.949	154	81.32	60	26.04	88	42.26	104
17	45.795	170	81.92	30	25.16	95	43.30	52
27	45.625	179	82.22	2	24.21	99	43.82	2
Sept. 6	45.446	179	82.20	35	23.22	97	43.80	57
16	45.267	171	81.85	68	22.25	92	43.23	110
26	45.096	153	81.17	101	21.33	83	42.13	158
Okt. 6	44.943	126	80.16	134	20.50	70	40.55	202
16	44.817	91	78.82	165	19.80	53	38.53	238
26	44.726	49	77.17	194	19.27	33	36.15	264
Nov. 5	44.677	1	75.23	221	18.94	11	33.51	280
15	44.676	49	73.02	244	18.83	13	30.71	285
25	44.725	101	70.58	262	18.96	35	27.86	278
Dez. 5	44.826	150	67.96	272	19.31	57	25.08	262
15	44.976	196	65.24	275	19.88	78	22.46	236
25	45.172	236	62.49	270	20.66	96	20.10	201
35	45.408		59.79		21.62		18.09	
Mittl. Ort	44.561		75.97		21.09		19.55	
sec δ, tg δ	1.060		+0.351		5.121		−5.022	

Tag	615) η Draconis AR.	Δ	Dekl.	Δ	616) α Scorpii AR.	Δ	Dekl.	Δ
1928	16h 22m		+61° 40′		16h 24m		−26° 16′	
Jan. 1	58.12	34	27.45	337	56.848	291	20.53	58
11	58.46	41	24.08	298	57.139	317	21.11	71
21	58.87	46	21.10	248	57.456	335	21.82	83
31	59.33	50	18.62	191	57.791	346	22.65	90
Feb. 10	59.83	53	16.71	127	58.137	347	23.55	95
20	60.36	52	15.44	59	58.484	342	24.50	95
März 1	60.88	51	14.85	9	58.826	333	25.45	93
11	61.39	49	14.94	74	59.159	319	26.38	89
21	61.88	45	15.68	137	59.478	302	27.27	83
31	62.33	41	17.05	191	59.780	282	28.10	77
Apr. 10	62.74	34	18.96	237	60.062	259	28.87	71
20	63.08	27	21.33	273	60.321	234	29.58	66
30	63.35	21	24.06	299	60.555	206	30.24	61
Mai 10	63.56	13	27.05	313	60.761	175	30.85	56
20	63.69	6	30.18	317	60.936	142	31.41	52
29	63.75	2	33.35	310	61.078	107	31.93	49
Juni 8	63.73	9	36.45	295	61.185	70	32.42	45
18	63.64	16	39.40	271	61.255	30	32.87	41
28	63.48	23	42.11	240	61.285	9	33.28	35
Juli 8	63.25	29	44.51	203	61.276	47	33.63	28
18	62.96	34	46.54	160	61.229	84	33.91	21
28	62.62	38	48.14	114	61.145	115	34.12	12
Aug. 7	62.24	41	49.28	64	61.030	143	34.24	2
17	61.83	44	49.92	14	60.887	162	34.26	9
27	61.39	45	50.06	39	60.725	174	34.17	19
Sept. 6	60.94	45	49.67	90	60.551	176	33.98	29
16	60.49	43	48.77	141	60.375	166	33.69	38
26	60.06	40	47.36	190	60.209	147	33.31	44
Okt. 6	59.66	36	45.46	237	60.062	117	32.87	47
16	59.30	29	43.09	279	59.945	78	32.40	47
26	59.01	23	40.30	315	59.867	31	31.93	42
Nov. 5	58.78	15	37.15	346	59.836	22	31.51	33
15	58.63	6	33.69	369	59.858	78	31.18	21
25	58.57	3	30.00	381	59.936	132	30.97	6
Dez. 5	58.60	12	26.19	385	60.068	185	30.91	11
15	58.72	21	22.34	376	60.253	233	31.02	29
25	58.93	30	18.58	355	60.486	274	31.31	47
35	59.23		15.03		60.760		31.78	
Mittl. Ort	60.71		36.67		59.341		25.41	
sec δ, tg δ	2.108		+1.855		1.115		−0.494	

Tag	618) β Herculis AR.		618) Dekl.		619) A Draconis AR.		619) Dekl.		621) σ Herculis AR.		621) Dekl.		622) ζ Ophiuchi AR.		622) Dekl.	
1928	16h 27m		+21° 38′		16h 28m		+68° 55′		16h 31m		+42° 34′		16h 33m		−10° 25′	
Jan. 1	5.366	248	39.17	270	3.84	40	16.80	338	44.698	261	57.63	325	9.249	258	19.95	133
11	5.614	277	36.47	250	4.24	49	13.42	298	44.959	303	54.38	294	9.507	284	21.28	136
21	5.891	298	33.97	221	4.73	56	10.44	249	45.262	334	51.44	252	9.791	303	22.64	132
31	6.189	311	31.76	183	5.29	62	7.95	191	45.596	356	48.92	202	10.094	312	23.96	124
Feb. 10	6.500	316	29.93	141	5.91	66	6.04	127	45.952	367	46.90	146	10.406	316	25.20	111
20	6.816	314	28.52	93	6.57	66	4.77	59	46.319	369	45.44	85	10.722	313	26.31	95
März 1	7.130	306	27.59	43	7.23	66	4.18	10	46.688	361	44.59	22	11.035	305	27.26	76
11	7.436	292	27.16	6	7.89	63	4.28	76	47.049	346	44.37	40	11.340	294	28.02	56
21	7.728	274	27.22	53	8.52	58	5.04	139	47.395	323	44.77	98	11.634	278	28.58	35
31	8.002	253	27.75	96	9.10	51	6.43	193	47.718	295	45.75	151	11.912	261	28.93	14
Apr. 10	8.255	228	28.71	134	9.61	43	8.36	240	48.013	262	47.26	196	12.173	241	29.07	3
20	8.483	201	30.05	164	10.04	35	10.76	276	48.275	225	49.22	234	12.414	218	29.04	17
30	8.684	171	31.69	187	10.39	25	13.52	302	48.500	184	51.56	260	12.632	192	28.87	29
Mai 10	8.855	139	33.56	202	10.64	15	16.54	316	48.684	140	54.16	278	12.824	165	28.58	39
20	8.994	106	35.58	210	10.79	5	19.70	321	48.824	95	56.94	285	12.989	136	28.19	44
29*)	[29] 9.100	71	37.68	211	[29] 10.84	6	22.91	314	[30] 48.919	48	59.79	284	[31] 13.125	103	27.75	47
Juni 8	9.171	34	39.79	204	10.78	15	26.05	299	48.967	2	62.63	274	13.228	69	27.28	47
18	9.205	2	41.83	192	10.63	24	29.04	275	48.969	44	65.37	256	13.297	33	26.81	46
28	9.203	38	43.75	175	10.39	33	31.79	243	48.925	89	67.93	230	13.330	3	26.35	43
Juli 8	9.165	72	45.50	152	10.06	41	34.22	205	48.836	131	70.23	200	13.327	38	25.92	40
18	9.093	105	47.02	127	9.65	48	36.27	162	48.705	169	72.23	164	13.289	71	25.52	35
28	8.988	133	48.29	98	9.17	54	37.89	116	48.536	203	73.87	124	13.218	102	25.17	31
Aug. 7	8.855	157	49.27	68	8.63	58	39.05	66	48.333	230	75.11	81	13.116	127	24.86	26
17	8.698	175	49.95	35	8.05	60	39.71	14	48.103	250	75.92	37	12.989	147	24.60	22
27	8.523	185	50.30	1	7.45	62	39.85	38	47.853	261	76.29	10	12.842	158	24.38	16
Sept. 6	8.338	186	50.31	33	6.83	62	39.47	90	47.592	262	76.19	56	12.684	162	24.22	10
16	8.152	179	49.98	68	6.21	59	38.57	141	47.330	255	75.63	103	12.522	156	24.12	3
26	7.973	163	49.30	103	5.62	56	37.16	191	47.075	235	74.60	149	12.366	139	24.09	6
Okt. 6	7.810	136	48.27	136	5.06	51	35.25	237	46.840	205	73.11	193	12.227	113	24.15	16
16	7.674	102	46.91	170	4.55	43	32.88	280	46.635	166	71.18	234	12.114	79	24.31	29
26	7.572	60	45.21	201	4.12	35	30.08	316	46.469	118	68.84	271	12.035	37	24.60	42
Nov. 5	7.512	13	43.20	228	3.77	24	26.92	347	46.351	63	66.13	303	11.998	10	25.02	58
15	7.499	38	40.92	252	3.53	14	23.45	370	46.288	4	63.10	328	12.008	60	25.60	75
25	7.537	89	38.40	270	3.39	2	19.75	382	46.284	59	59.82	346	12.068	110	26.35	91
Dez. 5	7.626	140	35.70	282	3.37	11	15.93	386	46.343	121	56.36	353	12.178	159	27.26	106
15	7.766	187	32.88	284	3.48	22	12.07	377	46.464	180	52.83	352	12.337	204	28.32	119
25	7.953	228	30.04	278	3.70	33	8.30	355	46.644	234	49.31	338	12.541	241	29.51	128
35	8.181		27.26		4.03		4.75		46.878		45.93		12.782		30.79	
Mittl. Ort	7.432		43.31		6.91		26.24		46.878		64.73		11.520		21.47	
sec δ, tg δ	1.076		+0.397		2.781		+2.595		1.358		+0.919		1.017		−0.184	

*) Bei Stern 621) und 622) lies Mai 30

Scheinbare Sternörter 1928

Tag	626) η Herculis				625) α Triang. austr.				627) Grb 2377				628) ε Scorpii			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1928	16ʰ 40ᵐ		+39° 3′		16ʰ 40ᵐ		−68° 53′		16ʰ 43ᵐ		+56° 54′		16ʰ 45ᵐ		−34° 9′	
Jan. 1	23.448	246	23.51	321	55.93	58	43.61	161	53.239	283	27.66	346	26.954	293	45.73	2
11	23.694	287	20.30	293	56.51	66	42.00	124	53.522	344	24.20	312	27.247	325	45.75	21
21	23.981	317	17.37	254	57.17	71	40.76	83	53.866	393	21.08	268	27.572	347	45.96	36
31	24.298	339	14.83	207	57.88	76	39.93	42	54.259	430	18.40	214	27.919	362	46.32	51
Feb. 10	24.637	350	12.76	154	58.64	78	39.51	0	54.689	453	16.26	154	28.281	369	46.83	62
20	24.987	354	11.22	94	59.42	78	39.51	41	55.142	464	14.72	88	28.650	368	47.45	72
März 1	25.341	348	10.28	33	60.20	77	39.92	80	55.606	460	13.84	20	29.018	362	48.17	78
11	25.689	335	9.95	27	60.97	75	40.72	116	56.066	444	13.64	46	29.380	351	48.95	82
21	26.024	316	10.22	85	61.72	72	41.88	150	56.510	417	14.10	109	29.731	336	49.77	86
31	26.340	291	11.07	137	62.44	67	43.38	180	56.927	380	15.19	167	30.067	317	50.63	88
Apr. 10	26.631	261	12.44	183	63.11	61	45.18	206	57.307	335	16.86	216	30.384	296	51.51	89
20	26.892	228	14.27	221	63.72	55	47.24	228	57.642	283	19.02	256	30.680	270	52.40	91
30	27.120	190	16.48	248	64.27	48	49.52	247	57.925	225	21.58	286	30.950	241	53.31	91
Mai 10	27.310	150	18.96	268	64.75	39	51.99	259	58.150	163	24.44	306	31.191	210	54.22	92
20	27.460	108	21.64	277	65.14	30	54.58	267	58.313	100	27.50	315	31.401	174	55.14	91
30	[1] 27.568	64	24.41	277	[2] 65.44	21	57.25	269	[2] 58.413	34	30.65	314	[3] 31.575	135	56.05	91
Juni 8	27.632	20	27.18	268	65.65	11	59.94	265	58.447	31	33.79	304	31.710	93	56.96	88
18	27.652	25	29.86	253	65.76	1	62.59	254	58.416	94	36.83	284	31.803	50	57.84	84
28	27.627	69	32.39	230	65.77	10	65.13	236	58.322	154	39.67	258	31.853	6	58.68	78
Juli 8	27.558	110	34.69	202	65.67	19	67.49	213	58.168	212	42.25	224	31.859	38	59.46	70
18	27.448	148	36.71	168	65.48	28	69.62	183	57.956	264	44.49	186	31.821	80	60.16	59
28	27.300	182	38.39	130	65.20	35	71.45	147	57.692	307	46.35	142	31.741	118	60.75	45
Aug. 7	27.118	209	39.69	89	64.85	43	72.92	106	57.385	342	47.77	95	31.623	150	61.20	31
17	26.909	231	40.58	47	64.42	48	73.98	62	57.043	369	48.72	47	31.473	176	61.51	13
27	26.678	243	41.05	2	63.94	50	74.60	13	56.674	385	49.19	5	31.297	192	61.64	5
Sept. 6	26.435	247	41.07	43	63.44	51	74.73	34	56.289	388	49.14	56	31.105	197	61.59	22
16	26.188	241	40.64	89	62.93	49	74.39	81	55.901	380	48.58	107	30.908	191	61.37	39
26	25.947	224	39.75	133	62.44	44	73.58	127	55.521	357	47.51	157	30.717	174	60.98	54
Okt. 6	25.723	197	38.42	177	62.00	38	72.31	166	55.164	323	45.94	205	30.543	145	60.44	67
16	25.526	160	36.65	217	61.62	29	70.65	201	54.841	276	43.89	250	30.398	105	59.77	75
26	25.366	115	34.48	255	61.33	19	68.64	226	54.565	218	41.39	290	30.293	57	59.02	77
Nov. 5	25.251	62	31.93	287	61.14	7	66.38	242	54.347	149	38.49	324	30.236	1	58.25	76
15	25.189	6	29.06	314	61.07	6	63.96	249	54.198	75	35.25	352	30.235	57	57.49	71
25	25.183	53	25.92	333	61.13	19	61.47	246	54.123	5	31.73	370	30.292	116	56.78	60
Dez. 5	25.236	113	22.59	343	61.32	31	59.01	232	54.128	86	28.03	378	30.408	174	56.18	46
15	25.349	168	19.16	343	61.63	43	56.69	212	54.214	166	24.25	375	30.582	226	55.72	28
25	25.517	220	15.73	332	62.06	53	54.57	182	54.380	241	20.50	361	30.808	272	55.44	10
35	25.737		12.41		62.59		52.75		54.621		16.89		31.080		55.34	
Mittl. Ort	25.624		30.01		61.39		53.03		55.761		35.77		29.713		50.53	
sec δ, tg δ	1.288		+0.811		2.778		−2.591		1.832		+1.535		1.209		−0.679	

Tag	629) 49 Herculis AR.	Δ	629) Dekl.	Δ	630) ζ^2 Scorpii AR.	Δ	630) Dekl.	Δ	631) ζ Arae AR.	Δ	631) Dekl.	Δ	633) κ Ophiuchi AR.	Δ	633) Dekl.	Δ
1928	$16^h 48^m$		$+15° 5'$		$16^h 49^m$		$-42° 14'$		$16^h 52^m$		$-55° 52'$		$16^h 54^m$		$+9° 28'$	
	s		"		s		"		s		"		s		"	
Jan. 1	45.979	229	34.37	247	27.581	317	17.21	44	35.415	391	35.28	115	13.372	226	66.11	222
11	46.208	259	31.90	232	27.898	354	16.77	21	35.806	442	34.13	86	13.598	255	63.89	211
21	46.467	282	29.58	209	28.252	382	16.56	1	36.248	479	33.27	55	13.853	278	61.78	193
31	46.749	297	27.49	179	28.634	398	16.57	22	36.727	505	32.72	23	14.131	292	59.85	167
Feb. 10	47.046	305	25.70	142	29.032	407	16.79	41	37.232	519	32.49	8	14.423	300	58.18	136
20	47.351	306	24.28	100	29.439	408	17.20	59	37.751	523	32.57	38	14.723	302	56.82	100
März 1	47.657	301	23.28	57	29.847	402	17.79	74	38.274	518	32.95	66	15.025	299	55.82	60
11	47.958	292	22.71	12	30.249	391	18.53	87	38.792	505	33.61	93	15.324	290	55.22	21
21	48.250	279	22.59	31	30.640	375	19.40	98	39.297	485	34.54	117	15.614	278	55.01	18
31	48.529	261	22.90	71	31.015	356	20.38	107	39.782	460	35.71	137	15.892	262	55.19	54
Apr. 10	48.790	241	23.61	107	31.371	331	21.45	116	40.242	427	37.08	157	16.154	243	55.73	87
20	49.031	218	24.68	137	31.702	303	22.61	123	40.669	390	38.65	174	16.397	222	56.60	114
30	49.249	191	26.05	159	32.005	271	23.84	128	41.059	346	40.39	187	16.619	196	57.74	135
Mai 10	49.440	162	27.64	176	32.276	236	25.12	133	41.405	297	42.26	196	16.815	169	59.09	150
20	49.602	131	29.40	185	32.512	195	26.45	135	41.702	243	44.22	204	16.984	140	60.59	159
30	49.733	98	31.25	188	32.707	151	27.80	136	41.945	183	46.26	207	17.124	106	62.18	162
Juni 8	[4] 49.831	62	33.13	185	[4] 32.858	105	29.16	133	[5] 42.128	121	48.33	204	[5] 17.230	71	63.80	160
18	49.893	25	34.98	175	32.963	55	30.49	128	42.249	55	50.37	198	17.301	36	65.40	152
28	49.918	11	36.73	162	33.018	6	31.77	120	42.304	10	52.35	186	17.337	1	66.92	141
Juli 8	49.907	47	38.35	144	33.024	44	32.97	108	42.294	76	54.21	168	17.336	37	68.33	126
18	49.860	82	39.79	123	32.980	91	34.05	93	42.218	137	55.89	147	17.299	72	69.59	108
28	49.778	113	41.02	99	32.889	134	34.98	74	42.081	193	57.36	120	17.227	103	70.67	88
Aug. 7	49.665	139	42.01	74	32.755	170	35.72	53	41.888	240	58.56	89	17.124	131	71.55	67
17	49.526	160	42.75	46	32.585	199	36.25	29	41.648	277	59.45	54	16.993	152	72.22	44
27	49.366	174	43.21	17	32.386	217	36.54	4	41.371	300	59.99	16	16.841	167	72.66	19
Sept. 6	49.192	179	43.38	12	32.169	223	36.58	22	41.071	309	60.15	21	16.674	173	72.85	5
16	49.013	175	43.26	43	31.946	218	36.36	47	40.762	302	59.91	59	16.501	169	72.80	31
26	48.838	162	42.83	73	31.728	199	35.89	70	40.460	277	59.35	94	16.332	158	72.49	57
Okt. 6	48.676	140	42.10	103	31.529	167	35.19	90	40.183	237	58.41	126	16.174	136	71.92	83
16	48.536	108	41.07	133	31.362	124	34.29	106	39.946	182	57.15	152	16.038	106	71.09	109
26	48.428	69	39.74	162	31.238	71	33.23	115	39.764	114	55.63	173	15.932	68	70.00	135
Nov. 5	48.359	25	38.12	189	31.167	10	32.08	119	39.650	36	53.90	186	15.864	23	68.65	160
15	48.334	24	36.23	212	31.157	54	30.89	117	39.614	47	52.04	189	15.841	23	67.05	181
25	48.358	73	34.11	231	31.211	120	29.72	109	39.661	132	50.15	186	15.864	73	65.24	201
Dez. 5	48.431	122	31.80	245	31.331	184	28.63	97	39.793	214	48.29	175	15.937	121	63.23	214
15	48.553	169	29.35	251	31.515	243	27.66	79	40.007	291	46.54	157	16.058	167	61.09	223
25	48.722	209	26.84	251	31.758	294	26.87	57	40.298	360	44.97	133	16.225	206	58.86	224
35	48.931		24.33		32.052		26.30		40.658		43.64		16.431		56.62	
Mittl. Ort	48.118		37.56		30.628		22.86		39.255		42.30		15.544		68.54	
sec δ, tg δ	1.036		+0.270		1.351		−0.908		1.783		−1.476		1.014		+0.167	

Scheinbare Sternörter 1928

Tag	634) ε Herculis				637) η Ophiuchi				639) ζ Draconis				640) α Herculis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1928	16h 57m		+31° 1′		17h 6m		−15° 38′		17h 8m		+65° 47′		17h 11m		+14° 28′	
Jan. 1	29.878	222	47.74	303	12.369	239	13.26	90	31.38	28	64.04	357	19.612	208	12.79	242
11	30.100	259	44.71	281	12.608	269	14.16	95	31.66	37	60.47	329	19.820	242	10.37	229
21	30.359	289	41.90	249	12.877	291	15.11	96	32.03	44	57.18	287	20.062	267	8.08	208
31	30.648	309	39.41	209	13.168	307	16.07	92	32.47	50	54.31	236	20.329	286	6.00	181
Feb. 10	30.957	322	37.32	160	13.475	315	16.99	85	32.97	55	51.95	177	20.615	296	4.19	145
20	31.279	326	35.72	108	13.790	318	17.84	74	33.52	58	50.18	112	20.911	302	2.74	105
März 1	31.605	325	34.64	51	14.108	316	18.58	61	34.10	58	49.06	44	21.213	301	1.69	62
11	31.930	317	34.13	5	14.424	309	19.19	46	34.68	58	48.62	24	21.514	296	1.07	18
21	32.247	302	34.18	59	14.733	299	19.65	30	35.26	55	48.86	90	21.810	286	0.89	26
31	32.549	284	34.77	110	15.032	286	19.95	16	35.81	51	49.76	151	22.096	272	1.15	66
Apr. 10	32.833	260	35.87	154	15.318	270	20.11	3	36.32	45	51.27	204	22.368	255	1.81	102
20	33.093	232	37.41	192	15.588	250	20.14	7	36.77	39	53.31	248	22.623	234	2.83	134
30	33.325	202	39.33	221	15.838	227	20.07	17	37.16	31	55.79	284	22.857	210	4.17	158
Mai 10	33.527	167	41.54	242	16.065	201	19.90	22	37.47	23	58.63	308	23.067	183	5.75	176
20	33.694	131	43.96	253	16.266	171	19.68	25	37.70	14	61.71	322	23.250	152	7.51	187
30	33.825	91	46.49	257	16.437	139	19.43	26	37.84	6	64.93	325	23.402	119	9.38	191
Juni 8*)	[6] 33.916	51	49.06	252	[8] 16.576	103	19.17	26	[9] 37.90	4	68.18	320	[9] 23.521	83	11.29	190
18	33.967	10	51.58	240	16.679	66	18.91	24	37.86	12	71.38	305	23.604	45	13.19	182
28	33.977	32	53.98	221	16.745	27	18.67	21	37.74	21	74.43	281	23.649	8	15.01	169
Juli 8	33.945	72	56.19	198	16.772	13	18.46	17	37.53	29	77.24	250	23.657	30	16.70	153
18	33.873	110	58.17	169	16.759	51	18.29	15	37.24	36	79.74	214	23.627	67	18.23	132
28	33.763	144	59.86	136	16.708	85	18.14	13	36.88	42	81.88	172	23.560	101	19.55	110
Aug. 7	33.619	174	61.22	101	16.623	117	18.01	11	36.46	47	83.60	126	23.459	130	20.65	85
17	33.445	196	62.23	62	16.506	142	17.90	9	35.99	52	84.86	77	23.329	155	21.50	57
27	33.249	212	62.85	22	16.364	159	17.81	9	35.47	54	85.63	26	23.174	172	22.07	29
Sept. 6	33.037	218	63.07	18	16.205	168	17.72	7	34.93	55	85.89	26	23.002	180	22.36	1
16	32.819	215	62.89	60	16.037	167	17.65	6	34.38	55	85.63	79	22.822	180	22.37	29
26	32.604	203	62.29	101	15.870	156	17.59	3	33.83	53	84.84	131	22.642	171	22.08	60
Okt. 6	32.401	181	61.28	142	15.714	134	17.56	1	33.30	49	83.53	181	22.471	151	21.48	90
16	32.220	148	59.86	180	15.580	103	17.57	7	32.81	44	81.72	228	22.320	123	20.58	119
26	32.072	107	58.06	217	15.477	64	17.64	15	32.37	37	79.44	272	22.197	87	19.39	148
Nov. 5	31.965	61	55.89	249	15.413	18	17.79	25	32.00	29	76.72	311	22.110	44	17.91	176
15	31.904	9	53.40	278	15.395	31	18.04	36	31.71	20	73.61	341	22.066	3	16.15	200
25	31.895	44	50.62	298	15.426	82	18.40	50	31.51	10	70.20	365	22.069	52	14.15	219
Dez. 5	31.939	99	47.64	312	15.508	132	18.90	62	31.41	1	66.55	378	22.121	100	11.96	235
15	32.038	151	44.52	316	15.640	179	19.52	75	31.42	11	62.77	379	22.221	147	9.61	244
25	32.189	198	41.36	311	15.819	219	20.27	85	31.53	22	58.98	370	22.368	188	7.17	244
35	32.387		38.25		16.038		21.12		31.75		55.28		22.556		4.73	
Mittl. Ort	32.054		53.03		14.801		14.06		34.47		71.58		21.808		16.09	
sec δ, tg δ	1.167		+0.602		1.038		−0.280		2.440		+2.225		1.033		+0.258	

*) Bei Stern 639) und 640) lies Juni 9

Tag	641) δ Herculis AR.	Diff.	641) δ Herculis Dekl.	Diff.	643) π Herculis AR.	Diff.	643) π Herculis Dekl.	Diff.	644) ϑ Ophiuchi AR.	Diff.	644) ϑ Ophiuchi Dekl.	Diff.	645) β Arae AR.	Diff.	645) β Arae Dekl.	Diff.
1928	17ʰ 12ᵐ		+24° 55′		17ʰ 12ᵐ		+36° 53′		17ʰ 17ᵐ		−24° 55′		17ʰ 19ᵐ		−55° 27′	
Jan. 1	2.218	207	18.40	284	30.066	208	16.06	322	32.497	244	43.82	32	14.671	353	45.77	137
11	2.425	242	15.56	267	30.274	251	12.84	299	32.741	277	44.14	41	15.024	407	44.40	113
21	2.667	271	12.89	240	30.525	285	9.85	267	33.018	301	44.55	49	15.431	450	43.27	85
31	2.938	292	10.49	205	30.810	312	7.18	225	33.319	320	45.04	53	15.881	482	42.42	57
Feb. 10	3.230	305	8.44	162	31.122	329	4.93	175	33.639	331	45.57	54	16.363	504	41.85	28
20	3.535	313	6.82	113	31.451	338	3.18	119	33.970	336	46.11	53	16.867	514	41.57	1
März 1	3.848	312	5.69	62	31.789	340	1.99	59	34.306	336	46.64	50	17.381	516	41.58	29
11	4.160	307	5.07	10	32.129	335	1.40	0	34.642	330	47.14	45	17.897	510	41.87	55
21	4.467	297	4.97	42	32.464	323	1.40	58	34.972	322	47.59	40	18.407	498	42.42	79
31	4.764	282	5.39	89	32.787	305	1.98	113	35.294	310	47.99	34	18.905	477	43.21	103
Apr. 10	5.046	262	6.28	132	33.092	281	3.11	162	35.604	294	48.33	29	19.382	452	44.24	124
20	5.308	238	7.60	169	33.373	253	4.73	203	35.898	275	48.62	27	19.834	420	45.48	143
30	5.546	212	9.29	198	33.626	221	6.76	235	36.173	252	48.89	24	20.254	381	46.91	160
Mai 10	5.758	182	11.27	219	33.847	184	9.11	260	36.425	225	49.13	23	20.635	335	48.51	175
20	5.940	148	13.46	231	34.031	145	11.71	274	36.650	194	49.36	23	20.970	284	50.26	186
30	6.088	111	15.77	237	34.176	102	14.45	279	36.844	160	49.59	25	21.254	227	52.12	194
Juni 9	6.199	73	18.14	234	34.278	58	17.24	276	37.004	122	49.84	27	21.481	165	54.06	197
18	[9] 6.272	33	20.48	226	[10] 34.336	13	20.00	265	[11] 37.126	82	50.11	28	[11] 21.646	99	56.03	196
28	6.305	7	22.74	209	34.349	33	22.65	247	37.208	39	50.39	29	21.745	32	57.99	190
Juli 8	6.298	47	24.83	189	34.316	76	25.12	223	37.247	3	50.68	28	21.777	35	59.89	178
18	6.251	85	26.72	164	34.240	118	27.35	193	37.244	45	50.96	27	21.742	101	61.67	160
28	6.166	120	28.36	136	34.122	156	29.28	158	37.199	83	51.23	24	21.641	161	63.27	138
Aug. 7	6.046	151	29.72	103	33.966	189	30.86	121	37.116	118	51.47	19	21.480	214	64.65	111
17	5.895	175	30.75	70	33.777	215	32.07	80	36.998	147	51.66	13	21.266	258	65.76	80
27	5.720	193	31.45	34	33.562	233	32.87	38	36.851	168	51.79	5	21.008	288	66.56	45
Sept. 6	5.527	201	31.79	3	33.329	243	33.25	7	36.683	178	51.84	3	20.720	305	67.01	7
16	5.326	202	31.76	41	33.086	242	33.18	52	36.505	179	51.81	11	20.415	306	67.08	30
26	5.124	191	31.35	79	32.844	232	32.66	96	36.326	169	51.70	18	20.109	290	66.78	67
Okt. 6	4.933	172	30.56	116	32.612	211	31.70	141	36.157	147	51.52	24	19.819	257	66.11	102
16	4.761	143	29.40	152	32.401	179	30.29	182	36.010	117	51.28	27	19.562	209	65.09	131
26	4.618	106	27.88	187	32.222	140	28.47	222	35.893	76	51.01	27	19.353	148	63.78	156
Nov. 5	4.512	62	26.01	218	32.082	92	26.25	258	35.817	28	50.74	24	19.205	74	62.22	174
15	4.450	13	23.83	246	31.990	39	23.67	289	35.789	23	50.50	19	19.131	5	60.48	184
25	4.437	38	21.37	269	31.951	17	20.78	312	35.812	76	50.31	10	19.136	87	58.64	186
Dez. 5	4.475	89	18.68	284	31.968	74	17.66	327	35.888	129	50.21	1	19.223	169	56.78	182
15	4.564	138	15.84	291	32.042	129	14.39	334	36.017	179	50.22	12	19.392	248	54.96	169
25	4.702	184	12.93	288	32.171	181	11.05	329	36.196	223	50.34	24	19.640	318	53.27	152
35	4.886		10.05		32.352		7.76		36.419		50.58		19.958		51.75	
Mittl. Ort	4.413		22.87		32.322		21.69		35.118		45.15		18.585		50.16	
sec δ, tg δ	1.103		+0.465		1.250		+0.751		1.103		−0.465		1.764		−1.453	

Scheinbare Sternörter 1928

Tag	648) δ Arae AR.		648) δ Arae Dekl.		651) α Arae AR.		651) α Arae Dekl.		652) λ Scorpii AR.		652) λ Scorpii Dekl.		653) β Draconis AR.		653) β Draconis Dekl.	
1928	17h 24m		−60° 37′		17h 26m		−49° 49′		17h 28m		−37° 3′		17h 28m		+52° 20′	
Jan. 1	31.24 s	38	28.86″	166	12.790 s	311	12.84″	114	40.004 s	260	8.74″	45	45.742 s	200	68.33″	355
11	31.62	45	27.20	141	13.101	359	11.70	93	40.264	299	8.29	30	45.942	260	64.78	333
21	32.07	51	25.79	112	13.460	397	10.77	69	40.563	330	7.99	16	46.202	311	61.45	297
31	32.58	54	24.67	80	13.857	426	10.08	46	40.893	353	7.83	2	46.513	354	58.48	251
Feb. 10	33.12	57	23.87	47	14.283	445	9.62	22	41.246	367	7.81	11	46.867	385	55.97	198
20	33.69	58	23.40	15	14.728	456	9.40	1	41.613	376	7.92	21	47.252	406	53.99	137
März 1	34.27	59	23.25	17	15.184	458	9.41	23	41.989	378	8.13	31	47.658	415	52.62	72
11	34.86	58	23.42	47	15.642	455	9.64	44	42.367	374	8.44	39	48.073	413	51.90	6
21	35.44	57	23.89	77	16.097	446	10.08	64	42.741	367	8.83	46	48.486	402	51.84	60
31	36.01	55	24.66	105	16.543	429	10.72	83	43.108	355	9.29	53	48.888	381	52.44	120
Apr. 10	36.56	52	25.71	131	16.972	408	11.55	101	43.463	339	9.82	60	49.269	352	53.64	175
20	37.08	49	27.02	154	17.380	382	12.56	116	43.802	319	10.42	66	49.621	314	55.39	223
30	37.57	44	28.56	175	17.762	350	13.72	130	44.121	293	11.08	73	49.935	271	57.62	261
Mai 10	38.01	38	30.31	193	18.112	311	15.02	144	44.414	264	11.81	80	50.206	221	60.23	290
20	38.39	33	32.24	207	18.423	267	16.46	154	44.678	230	12.61	85	50.427	167	63.13	309
30	38.72	26	34.31	216	18.690	218	18.00	162	44.908	190	13.46	91	50.594	109	66.22	317
Juni 9	38.98	19	36.47	221	18.908	164	19.62	166	45.098	147	14.37	94	50.703	51	69.39	316
18	[13] 39.17	11	38.68	220	[13] 19.072	107	21.28	167	[14] 45.245	101	15.31	96	[14] 50.754	10	72.55	306
28	39.28	3	40.88	214	19.179	47	22.95	163	45.346	52	16.27	96	50.744	70	75.61	288
Juli 8	39.31	4	43.02	202	19.226	14	24.58	154	45.398	4	17.23	92	50.674	127	78.49	263
18	39.27	12	45.04	184	19.212	72	26.12	141	45.402	45	18.15	84	50.547	181	81.12	230
28	39.15	19	46.88	160	19.140	127	27.53	123	45.357	91	18.99	75	50.366	230	83.42	194
Aug. 7	38.96	25	48.48	130	19.013	175	28.76	100	45.266	131	19.74	62	50.136	273	85.36	152
17	38.71	31	49.78	95	18.838	216	29.76	74	45.135	165	20.36	46	49.863	308	86.88	106
27	38.40	34	50.73	57	18.622	245	30.50	44	44.970	190	20.82	28	49.555	332	87.94	58
Sept. 6	38.06	36	51.30	16	18.377	262	30.94	12	44.780	205	21.10	8	49.223	347	88.52	9
16	37.70	36	51.46	27	18.115	265	31.06	20	44.575	207	21.18	13	48.876	349	88.61	43
26	37.34	34	51.19	68	17.850	252	30.86	52	44.368	199	21.05	32	48.527	340	88.18	93
Okt. 6	37.00	31	50.51	106	17.598	226	30.34	82	44.169	176	20.73	50	48.187	318	87.25	144
16	36.69	26	49.45	142	17.372	184	29.52	109	43.993	143	20.23	66	47.869	284	85.81	192
26	36.43	19	48.03	171	17.188	131	28.43	130	43.850	99	19.57	77	47.585	239	83.89	237
Nov. 5	36.24	10	46.32	192	17.057	67	27.13	146	43.751	47	18.80	85	47.346	183	81.52	277
15	36.14	2	44.40	206	16.990	3	25.67	155	43.704	10	17.95	87	47.163	121	78.75	313
25	36.12	8	42.34	212	16.993	76	24.12	157	43.714	69	17.08	84	47.042	52	75.62	340
Dez. 5	36.20	17	40.22	210	17.069	148	22.55	152	43.783	129	16.24	78	46.990	19	72.22	359
15	36.37	27	38.12	199	17.217	217	21.03	142	43.912	185	15.46	68	47.009	91	68.63	366
25	36.64	34	36.13	181	17.434	280	19.61	126	44.097	237	14.78	55	47.100	160	64.97	363
35	36.98		34.32		17.714		18.35		44.334		14.23		47.260		61.34	
Mittl. Ort	35.67		33.13		16.329		16.07		42.971		10.58		48.301		74.48	
sec δ, tg δ	2.039		−1.777		1.550		−1.184		1.253		−0.755		1.637		+1.296	

Tag	656) α Ophiuchi AR.		656) α Ophiuchi Dekl.		654) ϑ Scorpii AR.		654) ϑ Scorpii Dekl.		658) ξ Serpentis AR.		658) ξ Serpentis Dekl.		664) ω Draconis AR.		664) ω Draconis Dekl.	
1928	17h 31m		+12° 36′		17h 32m		−42° 57′		17h 33m		−15° 21′		17h 37m		+68° 47′	
Jan. 1	33.235	191	36.81	231	5.304	275	11.96	81	25.254	214	17.69	79	18.71	22	22.82	364
11	33.426	226	34.50	221	5.579	318	11.15	64	25.468	247	18.48	83	18.93	33	19.18	342
21	33.652	252	32.29	203	5.897	353	10.51	45	25.715	273	19.31	82	19.26	42	15.76	307
31	33.904	273	30.26	177	6.250	378	10.06	28	25.988	292	20.13	79	19.68	51	12.69	261
Feb. 10	34.177	288	28.49	145	6.628	395	9.78	10	26.280	304	20.92	70	20.19	57	10.08	206
20	34.465	296	27.04	108	7.023	405	9.68	6	26.584	312	21.62	59	20.76	61	8.02	144
März 1	34.761	298	25.96	66	7.428	409	9.74	21	26.896	314	22.21	46	21.37	65	6.58	78
11	35.059	297	25.30	24	7.837	406	9.95	36	27.210	312	22.67	31	22.02	65	5.80	10
21	35.356	290	25.06	19	8.243	399	10.31	49	27.522	306	22.98	15	22.67	63	5.70	57
31	35.646	281	25.25	59	8.642	386	10.80	62	27.828	297	23.13	1	23.30	60	6.27	121
Apr. 10	35.927	266	25.84	94	9.028	369	11.42	74	28.125	284	23.14	12	23.90	54	7.48	178
20	36.193	247	26.78	126	9.397	347	12.16	85	28.409	268	23.02	23	24.44	48	9.26	227
30	36.440	226	28.04	151	9.744	320	13.01	96	28.677	248	22.79	31	24.92	40	11.53	268
Mai 10	36.666	201	29.55	169	10.064	287	13.97	106	28.925	224	22.48	35	25.32	31	14.21	299
20	36.867	172	31.24	182	10.351	250	15.03	115	29.149	196	22.13	38	25.63	22	17.20	319
30	37.039	139	33.06	187	10.601	207	16.18	122	29.345	164	21.75	37	25.85	11	20.39	330
Juni 9	37.178	103	34.93	186	10.808	160	17.40	127	29.509	129	21.38	35	[16] 25.96	1	23.69	330
18	[14] 37.281	66	36.79	180	[15] 10.968	110	18.67	128	[15] 29.638	90	21.03	31	25.97	9	26.99	321
28	37.347	27	38.59	169	11.078	56	19.95	127	29.728	50	20.72	26	25.88	19	30.20	303
Juli 8	37.374	12	40.28	154	11.134	2	21.22	122	29.778	10	20.46	21	25.69	29	33.23	278
18	37.362	51	41.82	135	11.136	50	22.44	113	29.788	30	20.25	16	25.40	38	36.01	246
28	37.311	86	43.17	113	11.086	99	23.57	100	29.758	70	20.09	12	25.02	45	38.47	208
Aug. 7	37.225	119	44.30	90	10.987	144	24.57	83	29.688	103	19.97	8	24.57	52	40.55	166
17	37.106	145	45.20	65	10.843	182	25.40	62	29.585	132	19.89	4	24.05	57	42.21	119
27	36.961	166	45.85	38	10.661	209	26.02	39	29.453	154	19.85	3	23.48	62	43.40	69
Sept. 6	36.795	177	46.23	10	10.452	226	26.41	14	29.299	168	19.82	0	22.86	64	44.09	18
16	36.618	181	46.33	18	10.226	229	26.55	12	29.131	171	19.82	1	22.22	64	44.27	34
26	36.437	174	46.15	47	9.997	221	26.43	38	28.960	164	19.83	4	21.58	63	43.93	87
Okt. 6	36.263	157	45.68	76	9.776	197	26.05	62	28.796	146	19.87	7	20.95	61	43.06	139
16	36.106	132	44.92	104	9.579	161	25.43	83	28.650	120	19.94	11	20.34	55	41.67	190
26	35.974	99	43.88	132	9.418	115	24.60	101	28.530	84	20.05	17	19.79	49	39.77	237
Nov. 5	35.875	58	42.56	159	9.303	59	23.59	112	28.446	42	20.22	26	19.30	41	37.40	279
15	35.817	13	40.97	183	9.244	2	22.47	118	28.404	6	20.48	36	18.89	31	34.61	317
25	35.804	34	39.14	203	9.246	67	21.29	119	28.410	55	20.84	46	18.58	21	31.44	345
Dez. 5	35.838	82	37.11	219	9.313	131	20.10	114	28.465	105	21.30	56	18.37	9	27.99	365
15	35.920	128	34.92	229	9.444	193	18.96	105	28.570	151	21.86	66	18.28	3	24.34	374
25	36.048	170	32.63	232	9.637	248	17.91	91	28.721	194	22.52	75	18.31	15	20.60	371
35	36.218		30.31		9.885		17.00		28.915		23.27		18.46		16.89	
Mittl. Ort	35.475		40.11		8.504		14.05		27.735		17.04		22.21		29.02	
sec δ, tg δ	1.025		+0.224		1.366		−0.931		1.037		−0.275		2.764		+2.577	

Tag	663) ι Herculis AR.	Diff.	Dekl.	Diff.	661) η Pavonis AR.	Diff.	Dekl.	Diff.	665) β Ophiuchi AR.	Diff.	Dekl.	Diff.	670) ψ Draconis AR.	Diff.	Dekl.	Diff.
1928	17h 37m		+46° 2'		17h 38m		−64° 41'		17h 39m		+4° 35'		17h 43m		+72° 10'	
Jan. 1	23.458	182	31.92	346	34.66	40	26.72	197	52.602	189	42.83	188	8.91	21	58.80	365
11	23.640	235	28.46	325	35.06	48	24.75	173	52.791	222	40.95	182	9.12	35	55.15	345
21	23.875	280	25.21	294	35.54	54	23.02	143	53.013	248	39.13	169	9.47	47	51.70	311
31	24.155	317	22.27	252	36.08	60	21.59	112	53.261	269	37.44	150	9.94	57	48.59	266
Feb. 10	24.472	345	19.75	201	36.68	63	20.47	78	53.530	283	35.94	124	10.51	65	45.93	213
20	24.817	364	17.74	143	37.31	66	19.69	43	53.813	292	34.70	94	11.16	70	43.80	151
März 1	25.181	374	16.31	80	37.97	66	19.26	8	54.105	296	33.76	60	11.86	75	42.29	86
11	25.555	374	15.51	17	38.63	67	19.18	26	54.401	296	33.16	25	12.61	75	41.43	19
21	25.929	366	15.34	47	39.30	66	19.44	59	54.697	290	32.91	10	13.36	74	41.24	49
31	26.295	350	15.81	107	39.96	63	20.03	91	54.987	282	33.01	44	14.10	70	41.73	113
Apr. 10	26.645	327	16.88	161	40.59	61	20.94	121	55.269	270	33.45	74	14.80	64	42.86	170
20	26.972	298	18.49	209	41.20	56	22.15	149	55.539	254	34.19	100	15.44	56	44.56	220
30	27.270	261	20.58	247	41.76	52	23.64	174	55.793	234	35.19	121	16.00	47	46.76	262
Mai 10	27.531	220	23.05	276	42.28	46	25.38	195	56.027	210	36.40	136	16.47	36	49.38	294
20	27.751	175	25.81	297	42.74	39	27.33	213	56.237	183	37.76	146	16.83	25	52.32	315
30	27.926	125	28.78	306	43.13	31	29.46	227	56.420	152	39.22	150	17.08	13	55.47	327
Juni 9	28.051	73	31.84	308	43.44	24	31.73	235	56.572	118	40.72	149	17.21	1	58.74	328
18	^{16}28.124	20	34.92	299	^{16}43.68	15	34.08	237	^{16}56.690	81	42.21	145	^{17}17.22	12	62.02	321
28	28.144	33	37.91	284	43.83	5	36.45	234	56.771	41	43.66	135	17.10	24	65.23	304
Juli 8	28.111	85	40.75	260	43.88	3	38.79	223	56.812	3	45.01	122	16.86	34	68.27	280
18	28.026	135	43.35	230	43.85	12	41.02	206	56.815	36	46.23	107	16.52	45	71.07	250
28	27.891	182	45.65	196	43.73	21	43.08	183	56.779	73	47.30	91	16.07	55	73.57	212
Aug. 7	27.709	221	47.61	157	43.52	28	44.91	153	56.706	106	48.21	72	15.52	63	75.69	170
17	27.488	255	49.18	114	43.24	34	46.44	118	56.600	134	48.93	53	14.89	69	77.39	125
27	27.233	279	50.32	68	42.90	39	47.62	78	56.466	155	49.46	32	14.20	73	78.64	76
Sept. 6	26.954	294	51.00	20	42.51	42	48.40	34	56.311	168	49.78	12	13.47	77	79.40	25
16	26.660	299	51.20	29	42.09	42	48.74	11	56.143	173	49.90	10	12.70	78	79.65	27
26	26.361	292	50.91	78	41.67	41	48.63	56	55.970	168	49.80	31	11.92	77	79.38	80
Okt. 6	26.069	274	50.13	126	41.26	38	48.07	99	55.802	152	49.49	54	11.15	73	78.58	132
16	25.795	244	48.87	173	40.88	32	47.08	140	55.650	128	48.95	76	10.42	68	77.26	182
26	25.551	205	47.14	218	40.56	24	45.68	173	55.522	96	48.19	97	9.74	61	75.44	231
Nov. 5	25.346	156	44.96	259	40.32	16	43.95	201	55.426	56	47.22	120	9.13	52	73.13	274
15	25.190	100	42.37	295	40.16	6	41.94	220	55.370	12	46.02	140	8.61	41	70.39	311
25	25.090	39	39.42	322	40.10	5	39.74	230	55.358	35	44.62	157	8.20	28	67.28	342
Dez. 5	25.051	24	36.20	343	40.15	15	37.44	232	55.393	81	43.05	172	7.92	15	63.86	362
15	25.075	86	32.77	353	40.30	26	35.12	225	55.474	126	41.33	183	7.77	1	60.24	373
25	25.161	148	29.24	351	40.56	35	32.87	210	55.600	169	39.50	188	7.76	14	56.51	371
35	25.309		25.73		40.91		30.77		55.769		37.62		7.90		52.80	
Mittl. Ort	25.897		37.48		39.67		29.79		54.891		45.56		12.87		64.72	
sec δ, tg δ	1.441		+1.037		2.339		−2.115		1.003		+0.080		3.268		+3.112	

Tag	667) μ Herculis AR.		Dekl.		671) ξ Draconis AR.		Dekl.		675) 35 Draconis AR.		Dekl.		672) θ Herculis AR.		Dekl.	
1928	17h 43m		+27° 45′		17h 52m		+56° 52′		17h 52m		+76° 58′		17h 53m		+37° 15′	
Jan. 1	36.096	173	37.72	295	14.234	165	55.10	363	35.12	21	19.10	361	44.646	160	28.09	324
11	36.269	213	34.77	281	14.399	236	51.47	345	35.33	39	15.49	343	44.806	207	24.85	309
21	36.482	246	31.96	256	14.635	299	48.02	314	35.72	56	12.06	312	45.013	246	21.76	283
31	36.728	273	29.40	223	14.934	353	44.88	272	36.28	71	8.94	270	45.259	279	18.93	246
Feb. 10	37.001	292	27.17	180	15.287	396	42.16	221	36.99	83	6.24	219	45.538	304	16.47	201
20	37.293	306	25.37	133	15.683	427	39.95	161	37.82	91	4.05	160	45.842	323	14.46	148
März 1	37.599	312	24.04	81	16.110	446	38.34	97	38.73	97	2.45	95	46.165	333	12.98	91
11	37.911	313	23.23	26	16.556	453	37.37	30	39.70	100	1.50	28	46.498	337	12.07	31
21	38.224	309	22.97	28	17.009	447	37.07	37	40.70	98	1.22	38	46.835	334	11.76	29
31	38.533	298	23.25	79	17.456	431	37.44	100	41.68	94	1.60	101	47.169	324	12.05	86
Apr. 10	38.831	283	24.04	126	17.887	403	38.44	158	42.62	85	2.61	160	47.493	308	12.91	138
20	39.114	263	25.30	166	18.290	365	40.02	211	43.47	76	4.21	211	47.801	286	14.29	185
30	39.377	239	26.96	200	18.655	320	42.13	253	44.23	63	6.32	254	48.087	259	16.14	223
Mai 10	39.616	210	28.96	226	18.975	267	44.66	286	44.86	49	8.86	287	48.346	226	18.37	253
20	39.826	177	31.22	243	19.242	208	47.52	310	45.35	33	11.73	311	48.572	189	20.90	274
30	40.003	140	33.65	252	19.450	144	50.62	324	45.68	17	14.84	324	48.761	148	23.64	286
Juni 9	40.143	101	36.17	253	19.594	77	53.86	328	45.85	0	18.08	328	48.909	103	26.50	289
18*)	40.244	59	38.70	247	19.671	9	57.14	323	45.85	16	21.36	322	49.012	57	29.39	285
28	40.303	16	41.17	235	19.680	59	60.37	308	45.69	33	24.58	308	49.069	9	32.24	272
Juli 8	40.319	27	43.52	215	19.621	126	63.45	287	45.36	48	27.66	286	49.078	39	34.96	252
18	40.292	69	45.67	192	19.495	188	66.32	257	44.88	62	30.52	257	49.039	85	37.48	227
28	40.223	108	47.59	163	19.307	247	68.89	223	44.26	75	33.09	222	48.954	129	39.75	196
Aug. 7	40.115	143	49.22	132	19.060	298	71.12	183	43.51	87	35.31	182	48.825	168	41.71	161
17	39.972	173	50.54	97	18.762	342	72.95	138	42.64	95	37.13	138	48.657	200	43.32	122
27	39.799	195	51.51	60	18.420	374	74.33	91	41.69	102	38.51	90	48.457	226	44.54	81
Sept. 6	39.604	210	52.11	22	18.046	394	75.24	41	40.67	106	39.41	40	48.231	243	45.35	37
16	39.394	215	52.33	18	17.652	404	75.65	10	39.61	109	39.81	11	47.988	250	45.72	7
26	39.179	210	52.15	58	17.248	399	75.55	63	38.52	107	39.70	63	47.738	247	45.65	53
Okt. 6	38.969	195	51.57	98	16.849	382	74.92	115	37.45	104	39.07	115	47.491	233	45.12	98
16	38.774	171	50.59	137	16.467	349	73.77	165	36.41	97	37.92	165	47.258	209	44.14	143
26	38.603	137	49.22	174	16.118	306	72.12	214	35.44	89	36.27	214	47.049	176	42.71	186
Nov. 5	38.466	96	47.48	209	15.812	251	69.98	259	34.55	77	34.13	258	46.873	133	40.85	225
15	38.370	50	45.39	240	15.561	187	67.39	297	33.78	62	31.55	297	46.740	85	38.60	260
25	38.320	1	42.99	266	15.374	115	64.42	330	33.16	47	28.58	328	46.655	32	36.00	290
Dez. 5	38.319	50	40.33	285	15.259	37	61.12	353	32.69	29	25.30	352	46.623	23	33.10	312
15	38.369	101	37.48	296	15.222	41	57.59	365	32.40	10	21.78	365	46.646	78	29.98	324
25	38.470	148	34.52	298	15.263	119	53.94	367	32.30	9	18.13	365	46.724	132	26.74	327
35	38.618		31.54		15.382		50.27		32.39		14.48		46.856		23.47	
Mittl. Ort	38.362		42.16		17.011		60.41		40.17		24.48		46.995		32.81	
sec δ, tg δ	1.130		+0.526		1.830		+1.533		4.437		+4.322		1.256		+0.761	

*) Bei Stern 671), 675) und 672) lies Juni 19

Scheinbare Sternörter 1928

Tag	676) γ Draconis AR.		676) γ Draconis Dekl.		673) ν Ophiuchi AR.		673) ν Ophiuchi Dekl.		677) 67 Ophiuchi AR.		677) 67 Ophiuchi Dekl.		679) γ Sagittarii AR.		679) γ Sagittarii Dekl.	
1928	$17^h\ 54^m$		$+51°\ 29'$		$17^h\ 55^m$		$-9°\ 45'$		$17^h\ 56^m$		$+2°\ 55'$		$18^h\ 1^m$		$-30°\ 25'$	
Jan. 1	53.416	159	42.97	356	1.281	187	60.32	103	59.988	174	58.25	175	8.081	211	37.08	24
11	53.575	220	39.41	339	1.468	222	61.35	104	60.162	208	56.50	170	8.292	250	36.84	17
21	53.795	274	36.02	310	1.690	249	62.39	99	60.370	236	54.80	159	8.542	282	36.67	10
31	54.069	320	32.92	270	1.939	271	63.38	90	60.606	259	53.21	141	8.824	307	36.57	3
Feb. 10	54.389	357	30.22	219	2.210	286	64.28	78	60.865	275	51.80	118	9.131	325	36.54	1
20	54.746	384	28.03	162	2.496	297	65.06	60	61.140	287	50.62	89	9.456	339	36.55	4
März 1	55.130	400	26.41	99	2.793	303	65.66	41	61.427	293	49.73	57	9.795	346	36.59	7
11	55.530	406	25.42	33	3.096	304	66.07	20	61.720	295	49.16	24	10.141	349	36.66	7
21	55.936	402	25.09	33	3.400	302	66.27	1	62.015	293	48.92	10	10.490	347	36.73	8
31	56.338	389	25.42	95	3.702	296	66.26	20	62.308	288	49.02	42	10.837	342	36.81	9
Apr. 10	56.727	366	26.37	152	3.998	287	66.06	39	62.596	278	49.44	71	11.179	332	36.90	11
20	57.093	336	27.89	204	4.285	273	65.67	53	62.874	264	50.15	96	11.511	318	37.01	14
30	57.429	297	29.93	246	4.558	256	65.14	65	63.138	247	51.11	117	11.829	300	37.15	18
Mai 10	57.726	253	32.39	279	4.814	234	64.49	73	63.385	225	52.28	132	12.129	275	37.33	24
20	57.979	202	35.18	303	5.048	208	63.76	77	63.610	198	53.60	142	12.404	246	37.57	31
30	58.181	147	38.21	317	5.256	178	62.99	77	63.808	168	55.02	146	12.650	212	37.88	37
Juni 9	58.328	89	41.38	322	5.434	144	62.22	74	63.976	135	56.48	145	12.862	174	38.25	44
19	58.417	29	44.60	316	5.578	106	61.48	70	64.111	97	57.93	141	13.036	131	38.69	51
28	[20] 58.446	31	47.76	303	[20] 5.684	67	60.78	62	[21] 64.208	59	59.34	132	[22] 13.167	85	39.20	55
Juli 8	58.415	90	50.79	282	5.751	26	60.16	53	64.267	18	60.66	120	13.252	38	39.75	59
18	58.325	147	53.61	254	5.777	16	59.63	45	64.285	22	61.86	105	13.290	10	40.34	60
28	58.178	200	56.15	221	5.761	55	59.18	35	64.263	60	62.91	89	13.280	55	40.94	58
Aug. 7	57.978	246	58.36	181	5.706	90	58.83	26	64.203	95	63.80	72	13.225	97	41.52	53
17	57.732	286	60.17	139	5.616	122	58.57	18	64.108	125	64.52	53	13.128	134	42.05	46
27	57.446	316	61.56	92	5.494	146	58.39	9	63.983	150	65.05	34	12.994	163	42.51	35
Sept. 6	57.130	336	62.48	44	5.348	162	58.30	1	63.833	165	65.39	15	12.831	182	42.86	24
16	56.794	345	62.92	7	5.186	169	58.29	6	63.668	172	65.54	5	12.649	192	43.10	11
26	56.449	341	62.85	58	5.017	166	58.35	14	63.496	169	65.49	26	12.457	189	43.21	3
Okt. 6	56.108	326	62.27	109	4.851	153	58.49	22	63.327	157	65.23	46	12.268	175	43.18	16
16	55.782	298	61.18	158	4.698	130	58.71	31	63.170	135	64.77	66	12.093	150	43.02	27
26	55.484	258	59.60	206	4.568	98	59.02	41	63.035	105	64.11	87	11.943	114	42.75	37
Nov. 5	55.226	209	57.54	251	4.470	59	59.43	51	62.930	67	63.24	107	11.829	70	42.38	44
15	55.017	151	55.03	289	4.411	15	59.94	63	62.863	25	62.17	126	11.759	20	41.94	47
25	54.866	87	52.14	320	4.396	32	60.57	75	62.838	21	60.91	143	11.739	33	41.47	46
Dez. 5	54.779	19	48.94	345	4.428	79	61.32	85	62.859	67	59.48	158	11.772	86	41.01	43
15	54.760	51	45.49	358	4.507	125	62.17	93	62.926	111	57.90	168	11.858	139	40.58	38
25	54.811	119	41.91	359	4.632	167	63.10	100	63.037	153	56.22	173	11.997	187	40.20	31
35	54.930		38.32		4.799		64.10		63.190		54.49		12.184		39.89	
Mittl. Ort	56.020		48.07		3.714		58.19		62.308		61.25		10.895		35.90	
sec δ, tg δ	1.606		+1.257		1.015		−0.172		1.001		+0.051		1.160		−0.587	

Tag	680) 72 Ophiuchi AR.		680) 72 Ophiuchi Dekl.		681) ο Herculis AR.		681) ο Herculis Dekl.		682) μ Sagittarii AR.		682) μ Sagittarii Dekl.		688) η Serpentis AR.		688) η Serpentis Dekl.	
1928	18h 3m		+9° 32′		18h 4m		+28° 44′		18h 9m		−21° 4′		18h 17m		−2° 55′	
Jan. 1	53.845	163	64.91	208	41.708	151	60.93	295	24.800	188	47.54	28	32.641	159	11.32	138
11	54.008	198	62.83	201	41.859	192	57.98	283	24.988	224	47.82	32	32.800	194	12.70	135
21	54.206	227	60.82	187	42.051	228	55.15	260	25.212	255	48.14	33	32.994	223	14.05	126
31	54.433	252	58.95	165	42.279	258	52.55	230	25.467	278	48.47	32	33.217	247	15.31	113
Feb. 10	54.685	269	57.30	137	42.537	281	50.25	190	25.745	297	48.79	29	33.464	266	16.44	95
20	54.954	283	55.93	104	42.818	298	48.35	142	26.042	310	49.08	22	33.730	280	17.39	72
März 1	55.237	291	54.89	66	43.116	309	46.93	90	26.352	318	49.30	15	34.010	289	18.11	46
11	55.528	295	54.23	27	43.425	314	46.03	37	26.670	322	49.45	5	34.299	295	18.57	18
21	55.823	293	53.96	13	43.739	313	45.66	19	26.992	322	49.50	4	34.594	296	18.75	9
31	56.116	289	54.09	52	44.052	308	45.85	72	27.314	319	49.46	12	34.890	294	18.66	36
Apr. 10	56.405	280	54.61	86	44.360	295	46.57	120	27.633	311	49.34	19	35.184	287	18.30	61
20	56.685	266	55.47	117	44.655	279	47.77	164	27.944	299	49.15	24	35.471	277	17.69	82
30	56.951	249	56.64	142	44.934	256	49.41	199	28.243	282	48.91	26	35.748	263	16.87	98
Mai 10	57.200	226	58.06	162	45.190	229	51.40	228	28.525	262	48.65	27	36.011	242	15.89	110
20	57.426	201	59.68	174	45.419	198	53.68	248	28.787	236	48.38	24	36.253	218	14.79	118
30	57.627	170	61.42	180	45.617	161	56.16	260	29.023	204	48.14	20	36.471	190	13.61	120
Juni 9	57.797	135	63.22	182	45.778	122	58.76	265	29.227	170	47.94	15	36.661	157	12.41	119
19	57.932	98	65.04	177	45.900	80	61.41	260	29.397	130	47.79	7	36.818	120	11.22	113
28	58.030	58	66.81	168	45.980	35	64.01	250	29.527	87	47.72	1	36.938	81	10.09	106
Juli 8	58.088	17	68.49	154	46.015	9	66.51	233	29.614	44	47.71	6	37.019	39	9.03	94
18	58.105	23	70.03	138	46.006	52	68.84	210	29.658	1	47.77	11	37.058	2	8.09	81
28	58.082	62	71.41	118	45.954	95	70.94	183	29.657	44	47.88	15	37.056	42	7.28	68
Aug. 7	58.020	97	72.59	96	45.859	133	72.77	153	29.613	83	48.03	18	37.014	80	6.60	53
17	57.923	129	73.55	74	45.726	165	74.30	118	29.530	119	48.21	19	36.934	113	6.07	38
27	57.794	153	74.29	49	45.561	191	75.48	81	29.411	146	48.40	18	36.821	140	5.69	24
Sept. 6	57.641	170	74.78	24	45.370	209	76.29	43	29.265	166	48.58	15	36.681	158	5.45	9
16	57.471	178	75.02	2	45.161	217	76.72	3	29.099	176	48.73	11	36.523	169	5.36	5
26	57.293	177	75.00	28	44.944	217	76.75	38	28.923	176	48.84	8	36.354	170	5.41	20
Okt. 6	57.116	165	74.72	54	44.727	205	76.37	78	28.747	163	48.92	4	36.184	160	5.61	35
16	56.951	145	74.18	80	44.522	183	75.59	119	28.584	141	48.96	1	36.024	141	5.96	49
26	56.806	115	73.38	106	44.339	154	74.40	158	28.443	111	48.97	0	35.883	114	6.45	65
Nov. 5	56.691	79	72.32	131	44.185	115	72.82	194	28.332	70	48.97	0	35.769	78	7.10	79
15	56.612	37	71.01	154	44.070	71	70.88	227	28.262	25	48.97	2	35.691	38	7.89	94
25	56.575	7	69.47	174	43.999	23	68.61	256	28.237	23	48.99	7	35.653	6	8.83	108
Dez. 5	56.582	53	67.73	190	43.976	27	66.05	277	28.260	73	49.06	12	35.659	52	9.91	121
15	56.635	99	65.83	202	44.003	76	63.28	290	28.333	121	49.18	18	35.711	96	11.12	130
25	56.734	141	63.81	207	44.079	125	60.38	295	28.454	166	49.36	24	35.807	137	12.42	133
35	56.875		61.74		44.204		57.43		28.620		49.60		35.944		13.75	
Mittl. Ort	56.138		68.39		44.009		65.15		27.414		45.30		35.021		8.01	
sec δ, tg δ	1.014		+0.168		1.141		+0.549		1.072		−0.385		1.001		−0.051	

Scheinbare Sternörter 1928

Tag	689) ε Sagittarii				690) 109 Herculis				691) α Telescopii				695) γ Draconis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1928	$18^h\ 19^m$		−34° 25′		$18^h\ 20^m$		+21° 43′		$18^h\ 21^m$		−46° 0′		$18^h\ 22^m$		+72° 41′	
Jan. 1	^{s}20.637	199	″15.27	58	^{s}35.470	138	″64.60	264	^{s}34.704	222	″37.33	129	″17.17	9	″63.53	368
11	20.836	240	14.69	52	35.608	178	61.96	255	34.926	274	36.04	118	17.26	23	59.85	357
21	21.076	276	14.17	44	35.786	211	59.41	237	35.200	317	34.86	106	17.49	37	56.28	333
31	21.352	306	13.73	37	35.997	241	57.04	212	35.517	353	33.80	91	17.86	49	52.95	298
Feb. 10	21.658	327	13.36	30	36.238	263	54.92	177	35.870	380	32.89	76	18.35	59	49.97	252
20	21.985	344	13.06	24	36.501	282	53.15	135	36.250	401	32.13	60	18.94	66	47.45	196
März 1	22.329	355	12.82	19	36.783	293	51.80	89	36.651	415	31.53	44	19.60	73	45.49	135
11	22.684	361	12.63	14	37.076	301	50.91	40	37.066	424	31.09	28	20.33	76	44.14	69
21	23.045	364	12.49	9	37.377	303	50.51	11	37.490	426	30.81	10	21.09	77	43.45	1
31	23.409	361	12.40	4	37.680	301	50.62	58	37.916	423	30.71	7	21.86	75	43.44	64
Apr. 10	23.770	353	12.36	3	37.981	293	51.20	103	38.339	415	30.78	24	22.61	71	44.08	126
20	24.123	342	12.39	10	38.274	280	52.23	143	38.754	400	31.02	42	23.32	65	45.34	182
30	24.465	325	12.49	19	38.554	262	53.66	178	39.154	379	31.44	60	23.97	57	47.16	230
Mai 10	24.790	302	12.68	29	38.816	239	55.44	204	39.533	352	32.04	77	24.54	47	49.46	270
20	25.092	273	12.97	38	39.055	211	57.48	223	39.885	318	32.81	93	25.01	37	52.16	301
30	25.365	239	13.35	49	39.266	180	59.71	235	40.203	276	33.74	109	25.38	25	55.17	322
Juni 9	25.604	199	13.84	59	39.446	142	62.06	240	40.479	230	34.83	122	25.63	12	58.39	333
19	25.803	156	14.43	68	39.588	103	64.46	237	40.709	178	36.05	132	25.75	1	61.72	334
28	[27] 25.959	108	15.11	75	[27] 39.691	61	66.83	229	[27] 40.887	121	37.37	140	[27] 25.74	13	65.06	326
Juli 8	26.067	58	15.86	80	39.752	18	69.12	214	41.008	62	38.77	142	25.61	25	68.32	311
18	26.125	7	16.66	82	39.770	26	71.26	194	41.070	2	40.19	140	25.36	37	71.43	287
28	26.132	43	17.48	80	39.744	67	73.20	171	41.072	55	41.59	134	24.99	48	74.30	257
Aug. 7	26.089	88	18.28	75	39.677	105	74.91	143	41.017	110	42.93	122	24.51	57	76.87	222
17	26.001	129	19.03	66	39.572	139	76.34	113	40.907	158	44.15	105	23.94	65	79.09	180
27	25.872	162	19.69	55	39.433	167	77.47	82	40.749	196	45.20	84	23.29	72	80.89	136
Sept. 6	25.710	187	20.24	41	39.266	186	78.29	48	40.553	227	46.04	60	22.57	77	82.25	86
16	25.523	199	20.65	23	39.080	197	78.77	12	40.326	242	46.64	32	21.80	80	83.11	36
26	25.324	201	20.88	6	38.883	198	78.89	23	40.084	244	46.96	3	21.00	81	83.47	17
Okt. 6	25.123	189	20.94	12	38.685	190	78.66	60	39.840	232	46.99	27	20.19	79	83.30	70
16	24.934	167	20.82	29	38.495	171	78.06	95	39.608	206	46.72	55	19.40	75	82.60	124
26	24.767	133	20.53	43	38.324	145	77.11	130	39.402	167	46.17	81	18.65	70	81.36	175
Nov. 5	24.634	90	20.10	55	38.179	109	75.81	164	39.235	118	45.36	103	17.95	62	79.61	225
15	24.544	40	19.55	64	38.070	69	74.17	194	39.117	61	44.33	120	17.33	52	77.36	268
25	24.504	13	18.91	69	38.001	25	72.23	221	39.056	3	43.13	131	16.81	40	74.68	306
Dez. 5	24.517	68	18.22	70	37.976	23	70.02	241	39.059	68	41.82	137	16.41	28	71.62	337
15	24.585	123	17.52	68	37.999	69	67.61	256	39.127	132	40.45	139	16.13	14	68.25	358
25	24.708	173	16.84	63	38.068	114	65.05	263	39.259	192	39.06	134	15.99	0	64.67	366
35	24.881		16.21		38.182		62.42		39.451		37.72		15.99		61.01	
Mittl. Ort	23.572		12.89		37.763		68.51		38.096		35.16		21.39		67.26	
sec δ, tg δ	1.212		−0.685		1.077		+0.399		1.440		−1.036		3.363		+3.211	

Tag	694) *b* Draconis				699) α Lyrae				698) ζ Pavonis				703) 110 Herculis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1928	18h 22m		+58° 45′		18h 34m		+38° 42′		18h 34m		−71° 29′		18h 42m		+20° 28′	
Jan. 1	48.638	108	26.80	365	27.614	110	52.82	322	31.28	36	36.73	263	31.452	116	30.55	253
11	48.746	185	23.15	353	27.724	159	49.60	315	31.64	47	34.10	250	31.568	155	28.02	247
21	48.931	257	19.62	329	27.883	204	46.45	295	32.11	58	31.60	229	31.723	191	25.55	232
31	49.188	321	16.33	294	28.087	243	43.50	264	32.69	66	29.31	203	31.914	221	23.23	208
Feb. 10	49.509	374	13.39	248	28.330	275	40.86	225	33.35	74	27.28	173	32.135	247	21.15	177
20	49.883	416	10.91	192	28.605	302	38.61	175	34.09	80	25.55	139	32.382	267	19.38	138
März 1	50.299	447	8.99	130	28.907	321	36.86	121	34.89	84	24.16	103	32.649	283	18.00	94
11	50.746	464	7.69	65	29.228	335	35.65	62	35.73	87	23.13	66	32.932	294	17.06	47
21	51.210	469	7.04	2	29.563	340	35.03	2	36.60	88	22.47	27	33.226	300	16.59	2
31	51.679	461	7.06	68	29.903	338	35.01	57	37.48	87	22.20	12	33.526	302	16.61	49
Apr. 10	52.140	442	7.74	129	30.241	331	35.58	114	38.35	86	22.32	50	33.828	297	17.10	95
20	52.582	410	9.03	185	30.572	316	36.72	164	39.21	82	22.82	88	34.125	288	18.05	135
30	52.992	369	10.88	233	30.888	294	38.36	208	40.03	78	23.70	123	34.413	274	19.40	170
Mai 10	53.361	319	13.21	272	31.182	266	40.44	244	40.81	71	24.93	157	34.687	254	21.10	198
20	53.680	260	15.93	303	31.448	232	42.88	272	41.52	63	26.50	187	34.941	229	23.08	218
30	53.940	195	18.96	323	31.680	192	45.60	290	42.15	55	28.37	213	35.170	199	25.26	232
Juni 9	54.135	126	22.19	333	31.872	149	48.50	300	42.70	44	30.50	235	35.369	164	27.58	239
19	54.261	54	25.52	334	32.021	102	51.50	302	43.14	33	32.85	249	35.533	125	29.97	238
28*)	(27) 54.315	20	28.86	326	32.123	52	54.52	295	43.47	20	35.34	258	35.658	83	32.35	230
Juli 8	54.295	92	32.12	310	(30) 32.175	0	57.47	280	(30) 43.67	8	37.92	260	(2) 35.741	39	34.65	218
18	54.203	163	35.22	286	32.175	49	60.27	260	43.75	4	40.52	253	35.780	4	36.83	200
28	54.040	228	38.08	256	32.126	97	62.87	234	43.71	17	43.05	238	35.776	48	38.83	178
Aug. 7	53.812	287	40.64	220	32.029	142	65.21	201	43.54	28	45.43	216	35.728	88	40.61	153
17	53.525	339	42.84	179	31.887	182	67.22	165	43.26	38	47.59	187	35.640	124	42.14	124
27	53.186	380	44.63	134	31.705	214	68.87	126	42.88	47	49.46	149	35.516	154	43.38	93
Sept. 6	52.806	410	45.97	85	31.491	238	70.13	84	42.41	54	50.95	107	35.362	176	44.31	61
16	52.396	428	46.82	34	31.253	253	70.97	39	41.87	58	52.02	59	35.186	191	44.92	27
26	51.968	431	47.16	18	31.000	257	71.36	7	41.29	59	52.61	9	34.995	196	45.19	8
Okt. 6	51.537	422	46.98	72	30.743	251	71.29	54	40.70	57	52.70	43	34.799	191	45.11	43
16	51.115	397	46.26	124	30.492	234	70.75	101	40.13	53	52.27	93	34.608	176	44.68	78
26	50.718	360	45.02	176	30.258	207	69.74	146	39.60	46	51.34	139	34.432	152	43.90	113
Nov. 5	50.358	310	43.26	224	30.051	171	68.28	189	39.14	37	49.95	182	34.280	121	42.77	146
15	50.048	248	41.02	267	29.880	128	66.39	229	38.77	25	48.13	216	34.159	84	41.31	176
25	49.800	179	38.35	305	29.752	80	64.10	263	38.52	13	45.97	243	34.075	42	39.55	203
Dez. 5	49.621	103	35.30	335	29.672	28	61.47	292	38.39	1	43.54	261	34.033	3	37.52	226
15	49.518	22	31.95	355	29.644	27	58.55	311	38.40	15	40.93	270	34.036	49	35.26	241
25	49.496	59	28.40	363	29.671	80	55.44	320	38.55	28	38.23	269	34.085	92	32.85	249
35	49.555		24.77		29.751		52.24		38.83		35.54		34.177		30.36	
Mittl. Ort	51.563		30.70		30.027		56.49		37.81		33.94		33.752		34.36	
sec δ, tg δ	1.928		+1.649		1.282		+0.802		3.150		−2.988		1.067		+0.373	

*) Bei Stern 699), 698) und 703) lies Juni 29

Scheinbare Sternörter 1928

Tag	704) λ Pavonis				705) β Lyrae				707) ο Draconis				706) σ Sagittarii			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1928	18h 45m		−62° 16′		18h 47m		+33° 16′		18h 50m		+59° 17′		18h 50m		−26° 23′	
Jan. 1	28.30	24	24.51	227	22.925	98	37.88	303	5.430	55	57.14	360	45.364	152	20.73	22
11	28.54	33	22.24	218	23.023	145	34.85	297	5.485	135	53.54	356	45.516	192	20.51	21
21	28.87	40	20.06	203	23.168	186	31.88	280	5.620	211	49.98	339	45.708	226	20.30	20
31	29.27	46	18.03	184	23.354	223	29.08	254	5.831	280	46.59	309	45.934	256	20.10	21
Feb. 10	29.73	51	16.19	160	23.577	254	26.54	217	6.111	340	43.50	268	46.190	281	19.89	23
20	30.24	55	14.59	134	23.831	280	24.37	172	6.451	391	40.82	217	46.471	300	19.66	25
März 1	30.79	58	13.25	106	24.111	300	22.65	121	6.842	431	38.65	159	46.771	315	19.41	29
11	31.37	60	12.19	76	24.411	314	21.44	65	7.273	457	37.06	96	47.086	326	19.12	34
21	31.97	62	11.43	44	24.725	322	20.79	9	7.730	472	36.10	29	47.412	334	18.78	37
31	32.59	61	10.99	13	25.047	324	20.70	48	8.202	474	35.81	37	47.746	337	18.41	40
Apr. 10	33.20	61	10.86	20	25.371	319	21.18	101	8.676	462	36.18	101	48.083	335	18.01	41
20	33.81	59	11.06	51	25.690	309	22.19	151	9.138	439	37.19	159	48.418	329	17.60	40
30	34.40	56	11.57	83	25.999	291	23.70	193	9.577	404	38.78	211	48.747	319	17.20	36
Mai 10	34.96	52	12.40	114	26.290	268	25.63	228	9.981	358	40.89	255	49.066	301	16.84	31
20	35.48	48	13.54	141	26.558	239	27.91	255	10.339	304	43.44	291	49.367	279	16.53	23
30	35.96	41	14.95	166	26.797	203	30.46	275	10.643	242	46.35	316	49.646	251	16.30	13
Juni 9	36.37	35	16.61	188	27.000	164	33.21	285	10.885	173	49.51	333	49.897	216	16.17	3
19	36.72	28	18.49	204	27.164	120	36.06	287	11.058	101	52.84	339	50.113	177	16.14	9
29	37.00	19	20.53	215	27.284	74	38.93	282	11.159	26	56.23	337	50.290	133	16.23	20
Juli 8	37.19	10	22.68	221	27.358	25	41.75	270	11.185	49	59.60	327	50.423	87	16.43	29
18	37.29	2	24.89	219	27.383	23	44.45	251	11.136	123	62.87	308	50.510	39	16.72	38
28	37.31	7	27.08	211	27.360	70	46.96	227	11.013	194	65.95	282	50.549	10	17.10	44
Aug. 7	37.24	16	29.19	194	27.290	113	49.23	197	10.819	258	68.77	250	50.539	54	17.54	48
17	37.08	23	31.13	172	27.177	153	51.20	164	10.561	315	71.27	212	50.485	96	18.02	48
27	36.85	29	32.85	142	27.024	185	52.84	128	10.246	364	73.39	170	50.389	132	18.50	47
Sept. 6	36.56	34	34.27	106	26.839	210	54.12	88	9.882	401	75.09	124	50.257	158	18.97	41
16	36.22	37	35.33	67	26.629	227	55.00	46	9.481	425	76.33	74	50.099	176	19.38	34
26	35.85	39	36.00	24	26.402	233	55.46	4	9.056	437	77.07	22	49.923	183	19.72	25
Okt. 6	35.46	38	36.24	21	26.169	229	55.50	40	8.619	435	77.29	31	49.740	178	19.97	15
16	35.08	35	36.03	65	25.940	215	55.10	84	8.184	418	76.98	85	49.562	163	20.12	5
26	34.73	30	35.38	107	25.725	191	54.26	127	7.766	388	76.13	138	49.399	137	20.17	5
Nov. 5	34.43	24	34.31	144	25.534	159	52.99	169	7.378	345	74.75	190	49.262	103	20.12	13
15	34.19	16	32.87	176	25.375	120	51.30	207	7.033	290	72.85	236	49.159	61	19.99	18
25	34.03	8	31.11	202	25.255	75	49.23	240	6.743	225	70.49	279	49.098	15	19.81	22
Dez. 5	33.95	1	29.09	219	25.180	27	46.83	268	6.518	152	67.70	314	49.083	33	19.59	25
15	33.96	11	26.90	229	25.153	22	44.15	288	6.366	74	64.56	340	49.116	82	19.34	25
25	34.07	20	24.61	230	25.175	72	41.27	299	6.292	6	61.16	355	49.198	129	19.09	25
35	34.27		22.31		25.247		38.28		6.298		57.61		49.327		18.84	
Mittl. Ort	32.99		20.35		25.285		41.32		8.415		59.69		48.078		15.98	
sec δ, tg δ	2.149		−1.903		1.196		+0.656		1.959		+1.684		1.116		−0.496	

Tag	709) ϑ Serpent. pr. AR.	Δ	709) Dekl.	Δ	708) λ Telescopii AR.	Δ	708) Dekl.	Δ	711) *R* Lyrae AR.	Δ	711) Dekl.	Δ	713) γ Lyrae AR.	Δ	713) Dekl.	Δ
1928	$18^h\ 52^m$		$+4°\ 6'$		$18^h\ 52^m$		$-53°\ 1'$		$18^h\ 53^m$		$+43°\ 50'$		$18^h\ 56^m$		$+32°\ 35'$	
Jan. 1	$36^s.075$	120	$26''.54$	164	$38^s.551$	198	$69''.00$	182	$6^s.176$	79	$58''.32$	332	$12^s.629$	89	$19''.91$	297
11	36.195	157	24.90	160	38.749	260	67.18	176	6.255	134	55.00	329	12.718	135	16.94	293
21	36.352	188	23.30	151	39.009	313	65.42	167	6.389	184	51.71	312	12.853	176	14.01	279
31	36.540	216	21.79	136	39.322	361	63.75	153	6.573	229	48.59	284	13.029	214	11.22	253
Feb. 10	36.756	240	20.43	113	39.683	399	62.22	136	6.802	269	45.75	245	13.243	245	8.69	218
20	36.996	258	19.30	85	40.082	431	60.86	118	7.071	302	43.30	198	13.488	272	6.51	174
März 1	37.254	274	18.45	54	40.513	454	59.68	98	7.373	328	41.32	143	13.760	294	4.77	125
11	37.528	284	17.91	20	40.967	472	58.70	76	7.701	347	39.89	83	14.054	309	3.52	70
21	37.812	292	17.71	14	41.439	482	57.94	53	8.048	357	39.06	21	14.363	319	2.82	13
31	38.104	295	17.85	48	41.921	486	57.41	29	8.405	361	38.85	41	14.682	322	2.69	42
Apr. 10	38.399	294	18.33	79	42.407	483	57.12	4	8.766	355	39.26	100	15.004	320	3.11	95
20	38.693	288	19.12	107	42.890	472	57.08	21	9.121	342	40.26	154	15.324	311	4.06	145
30	38.981	278	20.19	131	43.362	454	57.29	47	9.463	321	41.80	202	15.635	295	5.51	188
Mai 10	39.259	261	21.50	148	43.816	428	57.76	71	9.784	293	43.82	243	15.930	274	7.39	224
20	39.520	241	22.98	160	44.244	392	58.47	96	10.077	258	46.25	275	16.204	245	9.63	252
30	39.761	214	24.58	167	44.636	349	59.43	119	10.335	216	49.00	298	16.449	212	12.15	272
Juni 9	39.975	182	26.25	167	44.985	299	60.62	139	10.551	170	51.98	313	16.661	173	14.87	283
19	40.157	147	27.92	164	45.284	240	62.01	156	10.721	119	55.11	317	16.834	130	17.70	287
29	40.304	107	29.56	156	45.524	177	63.57	168	10.840	65	58.28	313	16.964	84	20.57	283
Juli 8	40.411	66	31.12	145	45.701	108	65.25	176	10.905	10	61.41	303	17.048	36	23.40	271
18	40.477	23	32.57	129	45.809	39	67.01	178	10.915	44	64.44	285	17.084	12	26.11	253
28	40.500	19	33.86	112	45.848	31	68.79	175	10.871	97	67.29	259	17.072	60	28.64	231
Aug. 7	40.481	59	34.98	94	45.817	96	70.54	164	10.774	147	69.88	229	17.012	104	30.95	202
17	40.422	96	35.92	73	45.721	157	72.18	149	10.627	191	72.17	193	16.908	144	32.97	169
27	40.326	126	36.65	53	45.564	208	73.67	126	10.436	228	74.10	154	16.764	177	34.66	134
Sept. 6	40.200	150	37.18	32	45.356	249	74.93	98	10.208	257	75.64	110	16.587	204	36.00	95
16	40.050	166	37.50	10	45.107	276	75.91	67	9.951	276	76.74	65	16.383	222	36.95	54
26	39.884	171	37.60	10	44.831	287	76.58	32	9.675	284	77.39	17	16.161	229	37.49	12
Okt. 6	39.713	168	37.50	31	44.544	282	76.90	5	9.391	282	77.56	32	15.932	227	37.61	31
16	39.545	155	37.19	53	44.262	262	76.85	42	9.109	269	77.24	82	15.705	214	37.30	75
26	39.390	132	36.66	73	44.000	227	76.43	76	8.840	244	76.42	130	15.491	192	36.55	117
Nov. 5	39.258	103	35.93	93	43.773	178	75.67	108	8.596	211	75.12	177	15.299	162	35.38	159
15	39.155	68	35.00	112	43.595	118	74.59	136	8.385	168	73.35	220	15.137	124	33.79	198
25	39.087	27	33.88	129	43.477	52	73.23	157	8.217	120	71.15	259	15.013	81	31.81	231
Dez. 5	39.060	15	32.59	145	43.425	19	71.66	172	8.097	66	68.56	291	14.932	35	29.50	260
15	39.075	58	31.14	155	43.444	91	69.94	182	8.031	11	65.65	315	14.897	14	26.90	282
25	39.133	99	29.59	161	43.535	161	68.12	185	8.020	47	62.50	328	14.911	63	24.08	293
35	39.232		27.98		43.696		66.27		8.067		59.22		14.974		21.15	
Mittl. Ort	38.407		30.80		42.338		64.03		8.675		61.27		14.984		23.19	
sec δ, tg δ	1.003		+0.072		1.663		−1.329		1.387		+0.961		1.187		+0.639	

Tag		716) ζ Aquilae				717) λ Aquilae				718) α Coron. austr.				720) π Sagittarii			
		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1928		19h 2m		+13° 45′		19h 2m		−4° 59′		19h 4m		−38° 1′		19h 5m		−21° 8′	
Jan.	1	3.731	102	14.62	214	23.298	118	35.38	108	31.490	151	11.94	99	26.366	131	27.88	6
	11	3.833	140	12.48	210	23.416	155	36.46	106	31.641	198	10.95	98	26.497	169	27.94	5
	21	3.973	174	10.38	198	23.571	186	37.52	98	31.839	238	9.97	95	26.666	203	27.99	3
	31	4.147	205	8.40	179	23.757	215	38.50	86	32.077	274	9.02	91	26.869	233	28.02	2
Feb.	10	4.352	230	6.61	153	23.972	238	39.36	71	32.351	304	8.11	86	27.102	257	28.00	8
	20	4.582	252	5.08	119	24.210	258	40.07	50	32.655	328	7.25	80	27.359	278	27.92	16
März	1	4.834	269	3.89	81	24.468	274	40.57	26	32.983	349	6.45	74	27.637	296	27.76	25
	11	5.103	282	3.08	40	24.742	286	40.83	1	33.332	363	5.71	67	27.933	308	27.51	35
	21	5.385	292	2.68	3	25.028	294	40.84	25	33.695	374	5.04	59	28.241	317	27.16	44
	31	5.677	297	2.71	46	25.322	299	40.59	50	34.069	379	4.45	50	28.558	323	26.72	52
Apr.	10	5.974	296	3.17	86	25.621	300	40.09	73	34.448	380	3.95	39	28.881	325	26.20	59
	20	6.270	292	4.03	122	25.921	297	39.36	92	34.828	376	3.56	26	29.206	321	25.61	63
	30	6.562	281	5.25	153	26.218	287	38.44	108	35.204	365	3.30	12	29.527	312	24.98	64
Mai	10	6.843	265	6.78	178	26.505	273	37.36	118	35.569	348	3.18	3	29.839	299	24.34	61
	20	7.108	244	8.56	197	26.778	254	36.18	125	35.917	323	3.21	20	30.138	278	23.73	57
	30	7.352	216	10.53	209	27.032	229	34.93	128	36.240	293	3.41	37	30.416	253	23.16	49
Juni	9	7.568	185	12.62	214	27.261	198	33.65	125	36.533	256	3.78	53	30.669	221	22.67	39
	19	7.753	148	14.76	214	27.459	163	32.40	118	36.789	211	4.31	69	30.890	183	22.28	29
	29	7.901	108	16.90	207	27.622	124	31.22	109	8 37.000	163	5.00	83	8 31.073	142	21.99	17
Juli	8	7 8.009	65	18.97	196	7 27.746	82	30.13	97	37.163	111	5.83	94	31.215	97	21.82	5
	18	8.074	21	20.93	179	27.828	39	29.16	84	37.274	56	6.77	102	31.312	51	21.77	7
	28	8.095	21	22.72	160	27.867	5	28.32	69	37.330	1	7.79	105	31.363	5	21.84	17
Aug.	7	8.074	63	24.32	138	27.862	46	27.63	54	37.331	51	8.84	105	31.368	41	22.01	24
	17	8.011	100	25.70	113	27.816	84	27.09	39	37.280	100	9.89	100	31.327	82	22.25	29
	27	7.911	132	26.83	86	27.732	116	26.70	25	37.180	142	10.89	90	31.245	117	22.54	33
Sept.	6	7.779	156	27.69	59	27.616	141	26.45	10	37.038	175	11.79	76	31.128	146	22.87	33
	16	7.623	174	28.28	30	27.475	159	26.35	3	36.863	197	12.55	59	30.982	165	23.20	32
	26	7.449	181	28.58	0	27.316	167	26.38	15	36.666	209	13.14	39	30.817	173	23.52	28
Okt.	6	7.268	180	28.58	29	27.149	164	26.53	28	36.457	207	13.53	16	30.644	172	23.80	24
	16	7.088	168	28.29	59	26.985	152	26.81	39	36.250	192	13.69	6	30.472	160	24.04	19
	26	6.920	147	27.70	88	26.833	132	27.20	52	36.058	167	13.63	28	30.312	138	24.23	14
Nov.	5	6.773	120	26.82	116	26.701	102	27.72	63	35.891	131	13.35	48	30.174	106	24.37	10
	15	6.653	85	25.66	142	26.599	67	28.35	74	35.760	87	12.87	65	30.068	69	24.47	8
	25	6.568	46	24.24	166	26.532	28	29.09	85	35.673	36	12.22	80	29.999	27	24.55	5
Dez.	5	6.522	4	22.58	187	26.504	14	29.94	94	35.637	18	11.42	90	29.972	18	24.60	5
	15	6.518	38	20.71	201	26.518	56	30.88	102	35.655	71	10.52	96	29.990	64	24.65	5
	25	6.556	79	18.70	209	26.574	97	31.90	106	35.726	124	9.56	100	30.054	108	24.70	4
	35	6.635		16.61		26.671		32.96		35.850		8.56		30.162		24.74	
Mittl. Ort		6.027		18.64		25.688		30.57		34.507		6.01		28.963		22.35	
sec δ, tg δ		1.030		+0.245		1.004		−0.087		1.269		−0.782		1.072		−0.387	

Tag	723) δ Draconis AR.		Dekl.		724) θ Lyrae AR.		Dekl.		725) ω Aquilae AR.		Dekl.		726) κ Cygni AR.		Dekl.	
1928	19h 12m		+67° 31′		19h 13m		+37° 59′		19h 14m		+11° 27′		19h 15m		+53° 13′	
Jan. 1	29.00	3	64.35	357	49.694	61	73.79	310	23.913	92	47.48	197	23.643	28	64.20	345
11	28.97	8	60.78	359	49.755	111	70.69	309	24.005	129	45.51	194	23.671	95	60.75	346
21	29.05	19	57.19	348	49.866	156	67.60	297	24.134	163	43.57	185	23.766	159	57.29	334
31	29.24	28	53.71	325	50.022	198	64.63	274	24.297	194	41.72	167	23.925	218	53.95	311
Feb. 10	29.52	38	50.46	290	50.220	236	61.89	239	24.491	221	40.05	142	24.143	272	50.84	275
20	29.90	45	47.56	242	50.456	269	59.50	197	24.712	243	38.63	111	24.415	319	48.09	229
März 1	30.35	52	45.14	188	50.725	295	57.53	146	24.955	262	37.52	76	24.734	358	45.80	175
11	30.87	57	43.26	127	51.020	315	56.07	91	25.217	277	36.76	36	25.092	387	44.05	115
21	31.44	60	41.99	61	51.335	330	55.16	32	25.494	288	36.40	5	25.479	407	42.90	51
31	32.04	60	41.38	6	51.665	337	54.84	27	25.782	295	36.45	46	25.886	416	42.39	14
Apr. 10	32.64	60	41.44	71	52.002	338	55.11	84	26.077	298	36.91	83	26.302	415	42.53	77
20	33.24	58	42.15	132	52.340	331	55.95	137	26.375	294	37.74	118	26.717	403	43.30	136
30	33.82	53	43.47	188	52.671	317	57.32	185	26.669	286	38.92	148	27.120	380	44.66	189
Mai 10	34.35	48	45.35	236	52.988	296	59.17	225	26.955	272	40.40	172	27.500	350	46.55	237
20	34.83	41	47.71	277	53.284	267	61.42	258	27.227	252	42.12	190	27.850	309	48.92	275
30	35.24	33	50.48	308	53.551	232	64.00	281	27.479	227	44.02	202	28.159	260	51.67	304
Juni 9	35.57	24	53.56	330	53.783	192	66.81	298	27.706	196	46.04	207	28.419	206	54.71	324
19	35.81	14	56.86	343	53.975	147	69.79	305	27.902	161	48.11	207	28.625	145	57.95	335
29	35.95	4	60.29	346	54.122	97	72.84	304	28.063	121	50.18	200	28.770	82	61.30	338
Juli 9	35.99	6	63.75	341	54.219	47	75.88	296	28.184	79	52.18	189	28.852	16	64.68	331
18	35.93	15	67.16	328	54.266	5	78.84	280	28.263	35	54.07	173	28.868	49	67.99	316
28	35.78	25	70.44	307	54.261	56	81.64	258	28.298	8	55.80	155	28.819	113	71.15	295
Aug. 7	35.53	34	73.51	279	54.205	103	84.22	231	28.290	50	57.35	134	28.706	173	74.10	267
17	35.19	41	76.30	245	54.102	148	86.53	199	28.240	88	58.69	110	28.533	227	76.77	233
27	34.78	48	78.75	205	53.954	185	88.52	162	28.152	122	59.79	85	28.306	274	79.10	194
Sept. 6	34.30	54	80.80	162	53.769	216	90.14	123	28.030	147	60.64	59	28.032	311	81.04	151
16	33.76	58	82.42	113	53.553	237	91.37	80	27.883	167	61.23	32	27.721	339	82.55	103
26	33.18	60	83.55	62	53.316	248	92.17	36	27.716	176	61.55	5	27.382	354	83.58	54
Okt. 6	32.58	61	84.17	8	53.068	249	92.53	11	27.540	175	61.60	23	27.028	357	84.12	3
16	31.97	59	84.25	46	52.819	240	92.42	57	27.365	167	61.37	51	26.671	349	84.15	51
26	31.38	56	83.79	101	52.579	221	91.85	104	27.198	148	60.86	77	26.322	327	83.64	104
Nov. 5	30.82	52	82.78	156	52.358	193	90.81	149	27.050	122	60.09	104	25.995	295	82.60	155
15	30.30	46	81.22	207	52.165	157	89.32	191	26.928	89	59.05	129	25.700	252	81.05	204
25	29.84	38	79.15	253	52.008	114	87.41	229	26.839	52	57.76	151	25.448	201	79.01	248
Dez. 5	29.46	30	76.62	294	51.894	68	85.12	263	26.787	12	56.25	170	25.247	142	76.53	287
15	29.16	20	73.68	326	51.826	18	82.49	287	26.775	29	54.55	184	25.105	78	73.66	316
25	28.96	10	70.42	347	51.808	33	79.62	303	26.804	70	52.71	194	25.027	12	70.50	336
35	28.86		66.95		51.841		76.59		26.874		50.77		25.015		67.14	
Mittl. Ort	32.60		65.38		52.101		76.34		26.204		51.70		26.379		65.80	
sec δ, tg δ	2.617		+2.418		1.269		+0.781		1.020		+0.203		1.671		+1.338	

Scheinbare Sternörter 1928

Tag	729) τ Draconis AR.		Dekl.		728) α Sagittarii AR.		Dekl.	
1928	$19^h\ 16^m$		$+73°\ 12'$		$19^h\ 18^m$		$-40°\ 45'$	
Jan. 1	52.48	10	79.80	354	50.922	137	17.74	119
11	52.38	5	76.26	357	51.059	185	16.55	121
21	52.43	20	72.69	349	51.244	229	15.34	119
31	52.63	33	69.20	327	51.473	267	14.15	116
Feb. 10	52.96	46	65.93	294	51.740	300	12.99	111
20	53.42	56	62.99	249	52.040	329	11.88	104
März 1	53.98	65	60.50	195	52.369	350	10.84	96
11	54.63	72	58.55	135	52.719	369	9.88	88
21	55.35	76	57.20	70	53.088	383	9.00	77
31	56.11	78	56.50	5	53.471	392	8.23	66
Apr. 10	56.89	77	56.45	61	53.863	395	7.57	52
20	57.66	74	57.06	123	54.258	392	7.05	37
30	58.40	68	58.29	179	54.650	384	6.68	19
Mai 10	59.08	60	60.08	227	55.034	369	6.49	1
20	59.68	51	62.35	270	55.403	346	6.48	19
30	60.19	41	65.05	302	55.749	315	6.67	38
Juni 9	60.60	28	68.07	326	56.064	278	7.05	58
19	60.88	16	71.33	341	56.342	234	7.63	77
29	61.04	3	74.74	345	56.576	184	8.40	93
Juli 9	61.07	10	78.19	341	56.760	130	9.33	105
18	60.97	23	81.60	330	56.890	74	10.38	116
28	60.74	35	84.90	311	56.964	16	11.54	121
Aug. 7	60.39	47	88.01	284	56.980	40	12.75	121
17	59.92	57	90.85	252	56.940	92	13.96	117
27	59.35	65	93.37	214	56.848	137	15.13	107
Sept. 6	58.70	73	95.51	171	56.711	174	16.20	93
16	57.97	78	97.22	124	56.537	200	17.13	73
26	57.19	82	98.46	73	56.337	216	17.86	51
Okt. 6	56.37	83	99.19	20	56.121	217	18.37	28
16	55.54	82	99.39	35	55.904	206	18.65	1
26	54.72	78	99.04	90	55.698	182	18.66	25
Nov. 5	53.94	73	98.14	144	55.516	148	18.41	48
15	53.21	66	96.70	196	55.368	104	17.93	70
25	52.55	57	94.74	244	55.264	55	17.23	88
Dez. 5	51.98	45	92.30	285	55.209	1	16.35	103
15	51.53	32	89.45	319	55.208	55	15.32	113
25	51.21	18	86.26	343	55.263	108	14.19	119
35	51.03		82.83		55.371		13.00	
Mittl. Ort	56.88		80.33		54.009		10.60	
sec δ, tg δ	3.464		+3.317		1.320		−0.862	

Tag	730) δ Aquilae AR.		Dekl.		732) β Cygni AR.		Dekl.	
1928	$19^h\ 21^m$		$+2°\ 57'$		$19^h\ 27^m$		$+27°\ 48'$	
Jan. 1	49.777	93	66.94	147	46.726	60	23.63	269
11	49.870	130	65.47	146	46.786	103	20.94	268
21	50.000	162	64.01	137	46.889	143	18.26	259
31	50.162	192	62.64	122	47.032	179	15.67	239
Feb. 10	50.354	218	61.42	102	47.211	212	13.28	210
20	50.572	240	60.40	77	47.423	241	11.18	172
März 1	50.812	259	59.63	47	47.664	265	9.46	127
11	51.071	275	59.16	15	47.929	286	8.19	78
21	51.346	286	59.01	18	48.215	301	7.41	26
31	51.632	294	59.19	51	48.516	311	7.15	27
Apr. 10	51.926	298	59.70	81	48.827	315	7.42	79
20	52.224	297	60.51	109	49.142	312	8.21	126
30	52.521	290	61.60	132	49.454	303	9.47	168
Mai 10	52.811	279	62.92	149	49.757	289	11.15	204
20	53.090	261	64.41	162	50.046	266	13.19	234
30	53.351	236	66.03	170	50.312	238	15.53	255
Juni 9	53.587	208	67.73	170	50.550	204	18.08	269
19	53.795	174	69.43	167	50.754	165	20.77	275
29	53.969	135	71.10	160	50.919	121	23.52	274
Juli 9	54.104	95	72.70	147	51.040	76	26.26	266
18	54.199	50	74.17	133	51.116	28	28.92	251
28	54.249	6	75.50	116	51.144	19	31.43	232
Aug. 7	54.255	35	76.66	97	51.125	64	33.75	207
17	54.220	74	77.63	78	51.061	105	35.82	178
27	54.146	108	78.41	57	50.956	143	37.60	146
Sept. 6	54.038	136	78.98	37	50.813	172	39.06	112
16	53.902	155	79.35	17	50.641	193	40.18	74
26	53.747	165	79.52	4	50.448	206	40.92	36
Okt. 6	53.582	167	79.48	23	50.242	209	41.28	4
16	53.415	158	79.25	43	50.033	202	41.24	44
26	53.257	141	78.82	62	49.831	186	40.80	85
Nov. 5	53.116	115	78.20	81	49.645	162	39.95	124
15	53.001	84	77.39	98	49.483	130	38.71	161
25	52.917	47	76.41	114	49.353	93	37.10	195
Dez. 5	52.870	8	75.27	128	49.260	52	35.15	224
15	52.862	32	73.99	139	49.208	8	32.91	246
25	52.894	72	72.60	144	49.200	36	30.45	262
35	52.966		71.16		49.236		27.83	
Mittl. Ort	52.093		71.83		49.033		26.58	
sec δ, tg δ	1.001		+0.052		1.131		+0.527	

Tag	733) ι Cygni AR.		Dekl.		736) *h* Sagittarii AR.		Dekl.	
1928	19h 27m		+51° 34′		19h 32m		−25° 2′	
Jan. 1	50.797	14	31.20	337	17.024	106	45.51	26
11	50.811	76	27.83	341	17.130	145	45.25	30
21	50.887	139	24.42	332	17.275	182	44.95	34
31	51.026	196	21.10	310	17.457	214	44.61	38
Feb. 10	51.222	250	18.00	278	17.671	242	44.23	44
20	51.472	296	15.22	235	17.913	267	43.79	51
März 1	51.768	336	12.87	183	18.180	287	43.28	57
11	52.104	368	11.04	124	18.467	305	42.71	64
21	52.472	390	9.80	61	18.772	319	42.07	70
31	52.862	402	9.19	2	19.091	329	41.37	74
Apr. 10	53.264	404	9.21	66	19.420	335	40.63	76
20	53.668	397	9.87	125	19.755	336	39.87	76
30	54.065	379	11.12	179	20.091	332	39.11	74
Mai 10	54.444	352	12.91	227	20.423	321	38.37	67
20	54.796	316	15.18	267	20.744	304	37.70	58
30	55.112	272	17.85	297	21.048	280	37.12	46
Juni 9	55.384	220	20.82	320	21.328	250	36.66	34
19	55.604	163	24.02	333	21.578	214	36.32	19
29	55.767	103	27.35	337	21.792	173	36.13	3
Juli 9	55.870	39	30.72	333	21.965	128	36.10	11
18	55.909	24	34.05	321	22.093	79	36.21	24
28	55.885	87	37.26	301	22.172	31	36.45	36
Aug. 7	55.798	147	40.27	274	22.203	17	36.81	45
17	55.651	200	43.01	243	22.186	63	37.26	51
27	55.451	248	45.44	205	22.123	102	37.77	54
Sept. 6	55.203	287	47.49	163	22.021	134	38.31	53
16	54.916	315	49.12	118	21.887	159	38.84	50
26	54.601	333	50.30	69	21.728	173	39.34	43
Okt. 6	54.268	339	50.99	18	21.555	176	39.77	35
16	53.929	333	51.17	35	21.379	169	40.12	26
26	53.596	315	50.82	87	21.210	151	40.38	16
Nov. 5	53.281	287	49.95	139	21.059	124	40.54	6
15	52.994	248	48.56	188	20.935	89	40.60	3
25	52.746	201	46.68	234	20.846	50	40.57	11
Dez. 5	52.545	146	44.34	273	20.796	6	40.46	16
15	52.399	87	41.61	305	20.790	39	40.30	22
25	52.312	24	38.56	326	20.829	82	40.08	26
35	52.288		35.30		20.911		39.82	
Mittl. Ort	53.473		32.34		19.648		38.20	
sec δ, tg δ	1.609		1.261		1.104		−0.467	

Tag	738) ϑ Cygni AR.		Dekl.		742) δ Cygni AR.		Dekl.	
1928	19h 34m		+50° 2′		19h 42m		+44° 56′	
Jan. 1	28.000	8	71.76	330	41.000	11	73.86	316
11	28.008	69	68.46	336	41.011	66	70.70	322
21	28.077	128	65.10	328	41.077	118	67.48	317
31	28.205	184	61.82	309	41.195	169	64.31	298
Feb. 10	28.389	237	58.73	278	41.364	215	61.33	269
20	28.626	282	55.95	235	41.579	257	58.64	228
März 1	28.908	322	53.60	185	41.836	293	56.36	180
11	29.230	353	51.75	127	42.129	323	54.56	125
21	29.583	377	50.48	65	42.452	346	53.31	65
31	29.960	390	49.83	2	42.798	361	52.66	4
Apr. 10	30.350	395	49.81	60	43.159	367	52.62	56
20	30.745	390	50.41	120	43.526	366	53.18	114
30	31.135	375	51.61	174	43.892	355	54.32	168
Mai 10	31.510	349	53.35	222	44.247	335	56.00	214
20	31.859	317	55.57	263	44.582	308	58.14	254
30	32.176	275	58.20	293	44.890	272	60.68	284
Juni 9	32.451	226	61.13	317	45.162	229	63.52	307
19	32.677	173	64.30	331	45.391	181	66.59	321
29	32.850	113	67.61	336	45.572	128	69.80	327
Juli 9	32.963	52	70.97	332	45.700	72	73.07	323
18	33.015	10	74.29	322	45.772	15	76.30	313
28	33.005	71	77.51	302	45.787	42	79.43	296
Aug. 7	32.934	130	80.53	277	45.745	97	82.39	271
17	32.804	183	83.30	247	45.648	147	85.10	241
27	32.621	230	85.77	209	45.501	191	87.51	206
Sept. 6	32.391	269	87.86	169	45.310	229	89.57	167
16	32.122	298	89.55	124	45.081	257	91.24	124
26	31.824	317	90.79	76	44.824	275	92.48	79
Okt. 6	31.507	324	91.55	25	44.549	283	93.27	29
16	31.183	319	91.80	26	44.266	280	93.56	20
26	30.864	304	91.54	78	43.986	267	93.36	70
Nov. 5	30.560	277	90.76	130	43.719	243	92.66	120
15	30.283	241	89.46	180	43.476	210	91.46	168
25	30.042	195	87.66	225	43.266	170	89.78	212
Dez. 5	29.847	144	85.41	265	43.096	124	87.66	251
15	29.703	88	82.76	297	42.972	74	85.15	283
25	29.615	28	79.79	320	42.898	20	82.32	305
35	29.587		76.59		42.878		79.27	
Mittl. Ort	30.626		72.73		43.497		74.93	
sec δ, tg δ	1.557		+1.194		1.413		+0.998	

Scheinbare Sternörter 1928

Tag	741) γ Aquilae AR.		741) γ Aquilae Dekl.		743) δ Sagittae AR.		743) δ Sagittae Dekl.		745) α Aquilae[1] AR.		745) α Aquilae[1] Dekl.		747) ε Draconis AR.		747) ε Draconis Dekl.	
1928	19h 42m		+10° 25'		19h 44m		+18° 21'		19h 47m		+8° 40'		19h 48m		+70° 4'	
Jan. 1	47.933	65	67.52	182	8.371	56	16.40	221	13.952	66	32.37	170	21.69	15	65.41	339
11	47.998	102	65.70	181	8.427	94	14.19	221	14.018	103	30.67	168	21.54	3	62.02	352
21	48.100	137	63.89	173	8.521	130	11.98	213	14.121	137	28.99	160	21.51	10	58.50	351
31	48.237	168	62.16	157	8.651	164	9.85	197	14.258	168	27.39	145	21.61	21	54.99	338
Feb. 10	48.405	197	60.59	135	8.815	194	7.88	172	14.426	197	25.94	124	21.82	32	51.61	311
20	48.602	222	59.24	107	9.009	222	6.16	140	14.623	222	24.70	96	22.14	42	48.50	273
März 1	48.824	245	58.17	73	9.231	246	4.76	101	14.845	244	23.74	63	22.56	51	45.77	224
11	49.069	264	57.44	36	9.477	267	3.75	59	15.089	264	23.11	27	23.07	58	43.53	168
21	49.333	279	57.08	4	9.744	283	3.16	14	15.353	279	22.84	10	23.65	63	41.85	106
31	49.612	291	57.12	43	10.027	295	3.02	31	15.632	291	22.94	48	24.28	66	40.79	41
Apr. 10	49.903	298	57.55	80	10.322	303	3.33	76	15.923	298	23.42	84	24.94	68	40.38	24
20	50.201	299	58.35	115	10.625	304	4.09	118	16.221	300	24.26	117	25.62	66	40.62	88
30	50.500	296	59.50	145	10.929	299	5.27	153	16.521	297	25.43	145	26.28	63	41.50	148
Mai 10	50.796	286	60.95	170	11.228	289	6.80	185	16.818	288	26.88	168	26.91	58	42.98	201
20	51.082	270	62.65	189	11.517	271	8.65	209	17.106	272	28.56	186	27.49	51	44.99	248
30	51.352	248	64.54	201	11.788	248	10.74	227	17.378	251	30.42	197	28.00	43	47.47	286
Juni 9	51.600	220	66.55	207	12.036	219	13.01	238	17.629	223	32.39	203	28.43	34	50.33	317
19	51.820	186	68.62	208	12.255	184	15.39	242	17.852	189	34.42	202	28.77	24	53.50	337
29	52.006	148	70.70	203	12.439	144	17.81	239	18.041	152	36.44	196	29.01	13	56.87	349
Juli 9	52.154	106	72.73	192	12.583	101	20.20	231	18.193	110	38.40	186	29.14	2	60.36	352
18*)	$_{18}$ 52.260	63	74.65	179	$_{18}$ 12.684	56	22.51	217	$_{19}$ 18.303	67	40.26	171	$_{19}$ 29.16	9	63.88	347
28	52.323	18	76.44	161	12.740	11	24.68	200	18.370	23	41.97	153	29.07	20	67.35	334
Aug. 7	52.341	25	78.05	140	12.751	33	26.68	177	18.393	21	43.50	133	28.87	30	70.69	313
17	52.316	65	79.45	117	12.718	74	28.45	152	18.372	61	44.83	111	28.57	40	73.82	285
27	52.251	101	80.62	93	12.644	112	29.97	124	18.311	97	45.94	87	28.17	48	76.67	251
Sept. 6	52.150	131	81.55	68	12.532	141	31.21	95	18.214	127	46.81	63	27.69	55	79.18	213
16	52.019	154	82.23	42	12.391	164	32.16	64	18.087	150	47.44	38	27.14	61	81.31	167
26	51.865	167	82.65	16	12.227	179	32.80	32	17.937	163	47.82	13	26.53	65	82.98	119
Okt. 6	51.698	171	82.81	11	12.048	183	33.12	1	17.774	168	47.95	12	25.88	68	84.17	68
16	51.527	167	82.70	37	11.865	179	33.11	34	17.606	164	47.83	37	25.20	68	84.85	13
26	51.360	153	82.33	63	11.686	166	32.77	68	17.442	149	47.46	60	24.52	66	84.98	43
Nov. 5	51.207	131	81.70	88	11.520	145	32.09	99	17.293	129	46.86	84	23.86	63	84.55	100
15	51.076	103	80.82	112	11.375	116	31.10	129	17.164	101	46.02	106	23.23	58	83.55	155
25	50.973	70	79.70	134	11.259	83	29.81	158	17.063	67	44.96	126	22.65	51	82.00	206
Dez. 5	50.903	33	78.36	153	11.176	46	28.23	182	16.996	31	43.70	143	22.14	42	79.94	254
15	50.870	5	76.83	167	11.130	6	26.41	201	16.965	7	42.27	157	21.72	33	77.40	294
25	50.875	45	75.16	177	11.124	33	24.40	214	16.972	46	40.70	165	21.39	21	74.46	322
35	50.920		73.39		11.157		22.26		17.018		39.05		21.18		71.24	
Mittl. Ort	50.194		72.03		10.628		20.08		16.214		37.22		25.55		64.27	
sec δ, tg δ	1.017		+0.184		1.054		+0.332		1.012		+0.153		2.936		+2.760	

[1]) Die jährliche Parallaxe (0.″23) ist bereits berücksichtigt.

*) Bei Stern 745) und 747) lies Juli 19

Tag	749) β Aquilae				748) ε Pavonis				750) ψ Cygni				751) ϑ^1 Sagittarii			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1928	$19^h\ 51^m$		$+6°\ 13'$		$19^h\ 52^m$		$-73°\ 5'$		$19^h\ 53^m$		$+52°\ 14'$		$19^h\ 55^m$		$-35°\ 28'$	
Jan. 1	$44^s.330$	61	$27''.73$	157	$11^s.05$	11	$81''.54$	291	$43^s.460$	28	$49''.75$	326	$0^s.343$	87	$30''.49$	95
11	44.391	97	26.16	156	11.16	25	78.63	297	43.432	35	46.49	335	0.430	131	29.54	102
21	44.488	131	24.60	149	11.41	38	75.66	294	43.467	97	43.14	333	0.561	173	28.52	107
31	44.619	162	23.11	134	11.79	50	72.72	284	43.564	158	39.81	317	0.734	210	27.45	111
Feb. 10	44.781	190	21.77	114	12.29	60	69.88	268	43.722	215	36.64	290	0.944	244	26.34	113
20	44.971	216	20.63	89	12.89	69	67.20	245	43.937	268	33.74	252	1.188	274	25.21	114
März 1	45.187	239	19.74	58	13.58	77	64.75	218	44.205	313	31.22	203	1.462	300	24.07	113
11	45.426	259	19.16	23	14.35	84	62.57	186	44.518	351	29.19	149	1.762	323	22.94	112
21	45.685	276	18.93	11	15.19	89	60.71	150	44.869	380	27.70	88	2.085	342	21.82	109
31	45.961	288	19.04	47	16.08	92	59.21	112	45.249	400	26.82	24	2.427	357	20.73	102
Apr. 10	46.249	297	19.51	81	17.00	93	58.09	72	45.649	410	26.58	38	2.784	367	19.71	95
20	46.546	300	20.32	112	17.93	94	57.37	30	46.059	410	26.96	99	3.151	372	18.76	83
30	46.846	298	21.44	138	18.87	92	57.07	13	46.469	398	27.95	156	3.523	370	17.93	71
Mai 10	47.144	290	22.82	160	19.79	89	57.20	56	46.867	376	29.51	207	3.893	363	17.22	54
20	47.434	276	24.42	176	20.68	83	57.76	97	47.243	345	31.58	250	4.256	348	16.68	36
30	47.710	256	26.18	186	21.51	76	58.73	136	47.588	304	34.08	286	4.604	325	16.32	17
Juni 9	47.966	229	28.04	191	22.27	68	60.09	172	47.892	256	36.94	312	4.929	294	16.15	5
19	48.195	196	29.95	189	22.95	57	61.81	204	48.148	201	40.06	331	5.223	256	16.20	25
29	48.391	159	31.84	183	23.52	45	63.85	230	48.349	141	43.37	339	5.479	213	16.45	46
Juli 9	48.550	118	33.67	172	23.97	32	66.15	250	48.490	77	46.76	340	5.692	164	16.91	64
19	48.668	75	35.39	158	[20] 24.29	19	68.65	261	48.567	13	50.16	333	[21] 5.856	111	17.55	80
28	[20] 48.743	30	36.97	141	24.48	4	71.26	265	[20] 48.580	53	53.49	318	5.967	57	18.35	92
Aug. 7	48.773	13	38.38	121	24.52	10	73.91	260	48.527	114	56.67	296	6.024	3	19.27	101
17	48.760	54	39.59	100	24.42	23	76.51	246	48.413	172	59.63	267	6.027	49	20.28	105
27	48.706	91	40.59	78	24.19	35	78.97	223	48.241	224	62.30	233	5.978	96	21.33	103
Sept. 6	48.615	121	41.37	55	23.84	46	81.20	191	48.017	268	64.63	194	5.882	135	22.36	97
16	48.494	145	41.92	32	23.38	55	83.11	152	47.749	301	66.57	151	5.747	166	23.33	87
26	48.349	159	42.24	9	22.83	61	84.63	105	47.448	325	68.08	103	5.581	187	24.20	72
Okt. 6	48.190	166	42.33	13	22.22	64	85.68	54	47.123	337	69.11	53	5.394	195	24.92	53
16	48.024	162	42.20	36	21.58	64	86.22	1	46.786	338	69.64	1	5.199	192	25.45	33
26	47.862	149	41.84	58	20.94	60	86.23	54	46.448	326	69.65	52	5.007	178	25.78	11
Nov. 5	47.713	130	41.26	79	20.34	55	85.69	106	46.122	304	69.13	106	4.829	153	25.89	11
15	47.583	102	40.47	99	19.79	47	84.63	156	45.818	272	68.07	157	4.676	119	25.78	31
25	47.481	70	39.48	117	19.32	36	83.07	199	45.546	229	66.50	205	4.557	79	25.47	51
Dez. 5	47.411	34	38.31	133	18.96	24	81.08	236	45.317	180	64.45	248	4.478	33	24.96	67
15	47.377	2	36.98	145	18.72	10	78.72	265	45.137	124	61.97	284	4.445	13	24.29	80
25	47.379	41	35.53	153	18.62	3	76.07	285	45.013	65	59.13	312	4.458	61	23.49	92
35	47.420		34.00		18.65		73.22		44.948		56.01		4.519		22.57	
Mittl. Ort	46.588		32.80		17.58		70.38		46.127		49.69		3.151		20.90	
sec δ, tg δ	1.006		+0.109		3.441		−3.292		1.633		+1.291		1.228		−0.713	

Scheinbare Sternörter 1928

Tag	752) γ Sagittae AR.		752) Dekl.		754) δ Pavonis AR.		754) Dekl.		756) ϑ Aquilae AR.		756) Dekl.		759) κ Cephei AR.		759) Dekl.	
1928	19h 55m		+19° 17′		20h 1m		−66° 21′		20h 7m		−1° 2′		20h 11m		+77° 29′	
Jan. 1	31.040	43	40.39	220	35.85	9	75.96	260	33.171	52	16.60	111	15.32	39	46.17	319
11	31.083	81	38.19	223	35.94	18	73.36	268	33.223	88	17.71	108	14.93	21	42.98	339
21	31.164	118	35.96	215	36.12	28	70.68	270	33.311	120	18.79	101	14.72	2	39.59	346
31	31.282	152	33.81	200	36.40	36	67.98	264	33.431	152	19.80	88	14.70	17	36.13	341
Feb. 10	31.434	184	31.81	176	36.76	44	65.34	252	33.583	181	20.68	71	14.87	36	32.72	322
20	31.618	213	30.05	145	37.20	51	62.82	235	33.764	206	21.39	48	15.23	54	29.50	291
März 1	31.831	239	28.60	107	37.71	56	60.47	213	33.970	231	21.87	24	15.77	69	26.59	249
11	32.070	261	27.53	65	38.27	61	58.34	187	34.201	252	22.11	4	16.46	81	24.10	198
21	32.331	279	26.88	19	38.88	65	56.47	157	34.453	270	22.07	33	17.27	91	22.12	140
31	32.610	294	26.69	27	39.53	68	54.90	124	34.723	286	21.74	63	18.18	98	20.72	77
Apr. 10	32.904	303	26.96	71	40.21	70	53.66	88	35.009	297	21.11	89	19.16	101	19.95	13
20	33.207	306	27.67	114	40.91	70	52.78	51	35.306	303	20.22	113	20.17	100	19.82	50
30	33.513	304	28.81	152	41.61	69	52.27	12	35.609	304	19.09	133	21.17	97	20.32	111
Mai 10	33.817	294	30.33	184	42.30	68	52.15	28	35.913	299	17.76	149	22.14	90	21.43	169
20	34.111	279	32.17	210	42.98	64	52.43	67	36.212	287	16.27	160	23.04	80	23.12	218
30	34.390	256	34.27	229	43.62	60	53.10	105	36.499	269	14.67	165	23.84	69	25.30	261
Juni 9	34.646	228	36.56	241	44.22	54	54.15	140	36.768	245	13.02	165	24.53	55	27.91	297
19	34.874	194	38.97	247	44.76	46	55.55	172	37.013	214	11.37	161	25.08	40	30.88	324
29	35.068	154	41.44	246	45.22	38	57.27	200	37.227	179	9.76	152	25.48	23	34.12	341
Juli 9	35.222	112	43.90	238	45.60	28	59.27	221	37.406	138	8.24	139	25.71	6	37.53	351
19	35.334	66	46.28	225	45.88	18	61.48	237	37.544	95	6.85	125	25.77	10	41.04	352
28	[21] 35.400	21	48.53	208	[22] 46.06	8	63.85	244	[24] 37.639	51	5.60	107	[25] 25.67	27	44.56	346
Aug. 7	35.421	24	50.61	187	46.14	3	66.29	243	37.690	6	4.53	89	25.40	44	48.02	331
17	35.397	66	52.48	162	46.11	13	68.72	235	37.696	35	3.64	70	24.96	59	51.33	309
27	35.331	104	54.10	134	45.98	22	71.07	216	37.661	74	2.94	50	24.37	72	54.42	281
Sept. 6	35.227	135	55.44	105	45.76	30	73.23	190	37.587	107	2.44	32	23.65	84	57.23	246
16	35.092	160	56.49	73	45.46	36	75.13	157	37.480	132	2.12	14	22.81	94	59.69	207
26	34.932	176	57.22	41	45.10	41	76.70	116	37.348	149	1.98	3	21.87	102	61.76	161
Okt. 6	34.756	182	57.63	7	44.69	44	77.86	70	37.199	157	2.01	19	20.85	107	63.37	112
16	34.574	181	57.70	26	44.25	44	78.56	22	37.042	156	2.20	34	19.78	110	64.49	58
26	34.393	169	57.44	60	43.81	42	78.78	28	36.886	147	2.54	48	18.68	110	65.07	4
Nov. 5	34.224	149	56.84	93	43.39	39	78.50	77	36.739	128	3.02	63	17.58	106	65.11	54
15	34.075	123	55.91	123	43.00	32	77.73	124	36.611	103	3.65	75	16.52	101	64.57	111
25	33.952	92	54.68	153	42.68	24	76.49	166	36.508	74	4.40	86	15.51	92	63.46	166
Dez. 5	33.860	56	53.15	179	42.44	16	74.83	202	36.434	39	5.26	97	14.59	81	61.80	217
15	33.804	17	51.36	198	42.28	6	72.81	231	36.395	4	6.23	103	13.78	66	59.63	262
25	33.787	21	49.38	213	42.22	3	70.50	252	36.391	34	7.26	108	13.12	51	57.01	299
35	33.808		47.25		42.25		67.98		36.425		8.34		12.61		54.02	
Mittl. Ort	33.279		43.90		40.74		63.99		35.430		10.34		20.69		43.26	
sec δ, tg δ	1.060		+0.350		2.495		−2.286		1.000		−0.018		4.618		+4.509	

Tag	757) o^1 Cygni sq.				760) 24 Vulpeculae				761) α^2 Capricorni				765) γ Cygni			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1928	20ʰ 11ᵐ		+46° 30′		20ʰ 13ᵐ		+24° 26′		20ʰ 14ᵐ		−12° 46′		20ʰ 19ᵐ		+40° 1′	
Jan. 1	19.378	31	80.02	305	39.997	18	51.22	235	1.344	55	16.95	40	36.271	21	31.13	284
11	19.347	23	76.97	316	40.015	57	48.87	239	1.399	90	17.35	35	36.250	27	28.29	295
21	19.370	77	73.81	316	40.072	95	46.48	236	1.489	124	17.70	26	36.277	74	25.34	296
31	19.447	130	70.65	305	40.167	131	44.12	222	1.613	156	17.96	16	36.351	120	22.38	284
Feb. 10	19.577	181	67.60	280	40.298	166	41.90	200	1.769	185	18.12	2	36.471	164	19.54	262
20	19.758	228	64.80	246	40.464	199	39.90	169	1.954	212	18.14	13	36.635	206	16.92	230
März 1	19.986	271	62.34	202	40.663	228	38.21	131	2.166	236	18.01	31	36.841	245	14.62	187
11	20.257	307	60.32	150	40.891	255	36.90	87	2.402	258	17.70	50	37.086	279	12.75	138
21	20.564	337	58.82	92	41.146	277	36.03	39	2.660	277	17.20	68	37.365	306	11.37	84
31	20.901	359	57.90	33	41.423	294	35.64	10	2.937	294	16.52	86	37.671	329	10.53	26
Apr. 10	21.260	374	57.57	29	41.717	307	35.74	59	3.231	306	15.66	101	38.000	344	10.27	31
20	21.634	378	57.86	88	42.024	313	36.33	105	3.537	314	14.65	114	38.344	350	10.58	88
30	22.012	373	58.74	143	42.337	314	37.38	147	3.851	316	13.51	123	38.694	350	11.46	141
Mai 10	22.385	360	60.17	194	42.651	306	38.85	185	4.167	313	12.28	127	39.044	340	12.87	188
20	22.745	336	62.11	237	42.957	292	40.70	215	4.480	302	11.01	128	39.384	321	14.75	229
30	23.081	304	64.48	273	43.249	271	42.85	240	4.782	285	9.73	124	39.705	295	17.04	263
Juni 9	23.385	264	67.21	301	43.520	243	45.25	256	5.067	262	8.49	116	40.000	262	19.67	289
19	23.649	217	70.22	319	43.763	209	47.81	266	5.329	231	7.33	105	40.262	220	22.56	306
29	23.866	165	73.41	330	43.972	169	50.47	268	5.560	195	6.28	91	40.482	174	25.62	316
Juli 9	24.031	109	76.71	333	44.141	126	53.15	264	5.755	155	5.37	75	40.656	124	28.78	318
19	24.140	51	80.04	327	44.267	80	55.79	254	5.910	111	4.62	59	40.780	70	31,96	312
28	[25] 24.191	8	83.31	314	[25] 44.347	33	58.33	238	[26] 6.021	64	4.03	42	[27] 40.850	17	35.08	299
Aug. 7	24.183	66	86.45	294	44.380	14	60.71	217	6.085	19	3.61	25	40.867	36	38.07	279
17	24.117	120	89.39	268	44.366	57	62.88	193	6.104	25	3.36	9	40.831	87	40.86	255
27	23.997	169	92.07	236	44.309	98	64.81	164	6.079	66	3.27	5	40.744	133	43.41	224
Sept. 6	23.828	211	94.43	200	44.211	132	66.45	134	6.013	100	3.32	16	40.611	172	45.65	190
16	23.617	244	96.43	158	44.079	159	67.79	100	5.913	128	3.48	25	40.439	204	47.55	151
26	23.373	269	98.01	115	43.920	179	68.79	65	5.785	147	3.73	32	40.235	227	49.06	109
Okt. 6	23.104	282	99.16	67	43.741	189	69.44	29	5.638	156	4.05	38	40.008	241	50.15	65
16	22.822	286	99.83	17	43.552	189	69.73	8	5.482	156	4.43	41	39.767	245	50.80	18
26	22.536	279	100.00	33	43.363	181	69.65	46	5.326	147	4.84	43	39.522	239	50.98	30
Nov. 5	22.257	262	99.67	85	43.182	166	69.19	83	5.179	129	5.27	44	39.283	223	50.68	78
15	21.995	235	98.82	135	43.016	142	68.36	119	5.050	105	5.71	45	39.060	200	49.90	124
25	21.760	200	97.47	182	42.874	113	67.17	152	4.945	73	6.16	44	38.860	170	48.66	168
Dez. 5	21.560	159	95.65	225	42.761	79	65.65	182	4.872	39	6.60	44	38.690	133	46.98	209
15	21.401	112	93.40	262	42.682	42	63.83	207	4.833	3	7.04	43	38.557	92	44.89	243
25	21.289	61	90.78	289	42.640	4	61.76	224	4.830	35	7.47	41	38.465	47	42.46	270
35	21.228		87.89		42.636		59.52		4.865		7.88		38.418		39.76	
Mittl. Ort	21.862		79.82		42.219		53.86		3.683		8.86		38.621		31.45	
sec δ, tg δ	1.453		+1.055		1.098		+0.455		1.025		−0.227		1.306		+0.840	

Scheinbare Sternörter 1928

Tag	764) α Pavonis AR.		764) α Pavonis Dekl.		767) ϑ Cephei AR.		767) ϑ Cephei Dekl.	
1928	20h 19m		−56° 57′		20h 28m		+62° 44′	
Jan. 1	54.070	52	75.31	217	19.53	15	68.82	313
11	54.122	120	73.14	229	19.38	7	65.69	333
21	54.242	186	70.85	237	19.31	1	62.36	341
31	54.428	246	68.48	238	19.32	10	58.95	336
Feb. 10	54.674	302	66.10	233	19.42	19	55.59	319
20	54.976	352	63.77	225	19.61	26	52.40	289
März 1	55.328	397	61.52	212	19.87	34	49.51	247
11	55.725	436	59.40	195	20.21	40	47.04	197
21	56.161	470	57.45	173	20.61	45	45.07	140
31	56.631	496	55.72	150	21.06	49	43.67	78
Apr. 10	57.127	515	54.22	122	21.55	51	42.89	14
20	57.642	527	53.00	91	22.06	52	42.75	50
30	58.169	529	52.09	59	22.58	52	43.25	111
Mai 10	58.698	521	51.50	25	23.10	50	44.36	169
20	59.219	503	51.25	11	23.60	46	46.05	219
30	59.722	473	51.36	46	24.06	41	48.24	263
Juni 9	60.195	433	51.82	80	24.47	36	50.87	299
19	60.628	383	52.62	113	24.83	29	53.86	326
29	61.011	322	53.75	142	25.12	20	57.12	345
Juli 9	61.333	254	55.17	167	25.32	13	60.57	355
19	61.587	180	56.84	187	25.45	5	64.12	356
28*)	[27] 61.767	101	58.71	201	25.50	4	67.68	350
Aug. 7	61.868	23	60.72	206	[29] 25.46	11	71.18	336
17	61.891	55	62.78	206	25.35	20	74.54	314
27	61.836	127	64.84	196	25.15	27	77.68	285
Sept. 6	61.709	190	66.80	180	24.88	33	80.53	252
16	61.519	243	68.60	155	24.55	38	83.05	211
26	61.276	281	70.15	123	24.17	43	85.16	166
Okt. 6	60.995	305	71.38	87	23.74	45	86.82	118
16	60.690	310	72.25	47	23.29	47	88.00	64
26	60.380	301	72.72	4	22.82	46	88.64	9
Nov. 5	60.079	275	72.76	39	22.36	46	88.73	48
15	59.804	234	72.37	81	21.90	42	88.25	104
25	59.570	183	71.56	120	21.48	38	87.21	159
Dez. 5	59.387	123	70.36	155	21.10	34	85.62	210
15	59.264	56	68.81	184	20.76	27	83.52	255
25	59.208	13	66.97	208	20.49	19	80.97	292
35	59.221		64.89		20.30		78.05	
Mittl. Ort	57.773		62.10		22.60		66.08	
sec δ, tg δ	1.835		−1.538		2.184		+1.942	

Tag	768) ε Delphini AR.		768) ε Delphini Dekl.		770) 73 Draconis AR.		770) 73 Draconis Dekl.	
1928	20h 29m		+11° 3′		20h 32m		+74° 42′	
Jan. 1	44.227	21	22.22	167	24.20	38	33.33	306
11	44.248	55	20.55	168	23.82	23	30.27	330
21	44.303	89	18.87	164	23.59	7	26.97	343
31	44.392	122	17.23	152	23.52	9	23.54	343
Feb. 10	44.514	153	15.71	133	23.61	24	20.11	329
20	44.667	183	14.38	107	23.85	38	16.82	302
März 1	44.850	210	13.31	76	24.23	52	13.80	265
11	45.060	236	12.55	40	24.75	63	11.15	216
21	45.296	258	12.15	3	25.38	72	8.99	161
31	45.554	277	12.12	36	26.10	79	7.38	101
Apr. 10	45.831	292	12.48	74	26.89	83	6.37	36
20	46.123	302	13.22	110	27.72	84	6.01	27
30	46.425	305	14.32	142	28.56	84	6.28	90
Mai 10	46.730	302	15.74	169	29.40	79	7.18	149
20	47.032	293	17.43	190	30.19	72	8.67	201
30	47.325	277	19.33	206	30.91	64	10.68	248
Juni 9	47.602	254	21.39	215	31.55	53	13.16	287
19	47.856	225	23.54	218	32.08	41	16.03	317
29	48.081	189	25.72	216	32.49	29	19.20	340
Juli 9	48.270	149	27.88	208	32.78	15	22.60	353
19	48.419	107	29.96	195	32.93	1	26.13	359
28*)	48.526	62	31.91	179	32.94	13	29.72	356
Aug. 7	[30] 48.588	17	33.70	160	[30] 32.81	26	33.28	345
17	48.605	25	35.30	138	32.55	39	36.73	327
27	48.580	65	36.68	114	32.16	51	40.00	302
Sept. 6	48.515	100	37.82	88	31.65	62	43.02	270
16	48.415	128	38.70	63	31.03	71	45.72	233
26	48.287	147	39.33	37	30.32	78	48.05	189
Okt. 6	48.140	160	39.70	10	29.54	84	49.94	141
16	47.980	162	39.80	16	28.70	86	51.35	88
26	47.818	156	39.64	42	27.84	88	52.23	33
Nov. 5	47.662	142	39.22	67	26.96	86	52.56	24
15	47.520	122	38.55	91	26.10	82	52.32	82
25	47.398	96	37.64	114	25.28	77	51.50	140
Dez. 5	47.302	66	36.50	133	24.51	68	50.10	193
15	47.236	33	35.17	149	23.83	57	48.17	242
25	47.203	2	33.68	161	23.26	46	45.75	283
35	47.205		32.07		22.80		42.92	
Mittl. Ort	46.391		26.90		28.69		29.36	
sec δ, tg δ	1.019		+0.195		3.792		+3.657	

*) Bei Stern 767), 768) und 770) lies Juli 29

Tag	769) α Indi				771) β Delphini				773) υ Capricorni				774) α Delphini			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1928	20h 32m		−47° 32′		20h 34m		+14° 20′		20h 35m		−18° 23′		20h 36m		+15° 39′	
Jan. 1	27.471	39	51.69	167	8.204	13	32.99	181	54.873	36	45.68	3	15.480	9	21.33	186
11	27.510	92	50.02	181	8.217	48	31.18	184	54.909	72	45.71	5	15.489	44	19.47	189
21	27.602	142	48.21	191	8.265	82	29.34	180	54.981	106	45.66	15	15.533	79	17.58	186
31	27.744	190	46.30	197	8.347	116	27.54	168	55.087	138	45.51	27	15.612	113	15.72	176
Feb. 10	27.934	235	44.33	199	8.463	148	25.86	150	55.225	170	45.24	39	15.725	145	13.96	156
20	28.169	277	42.34	198	8.611	178	24.36	123	55.395	198	44.85	53	15.870	177	12.40	129
März 1	28.446	314	40.36	193	8.789	207	23.13	91	55.593	226	44.32	68	16.047	205	11.11	97
11	28.760	347	38.43	184	8.996	234	22.22	54	55.819	251	43.64	82	16.252	232	10.14	60
21	29.107	376	36.59	172	9.230	257	21.68	14	56.070	273	42.82	96	16.484	257	9.54	19
31	29.483	402	34.87	156	9.487	277	21.54	27	56.343	293	41.86	108	16.741	277	9.35	24
Apr. 10	29.885	421	33.31	138	9.764	293	21.81	68	56.636	309	40.78	119	17.018	293	9.59	65
20	30.306	434	31.93	117	10.057	303	22.49	106	56.945	320	39.59	126	17.311	303	10.24	104
30	30.740	440	30.76	91	10.360	307	23.55	141	57.265	327	38.33	129	17.614	308	11.28	141
Mai 10	31.180	437	29.85	64	10.667	305	24.96	171	57.592	326	37.04	129	17.922	307	12.69	172
20	31.617	426	29.21	34	10.972	296	26.67	196	57.918	319	35.75	123	18.229	297	14.41	197
30	32.043	406	28.87	4	11.268	280	28.63	213	58.237	305	34.52	115	18.526	281	16.38	217
Juni 9	32.449	376	28.83	27	11.548	256	30.76	226	58.542	284	33.37	103	18.807	258	18.55	229
19	32.825	336	29.10	58	11.804	227	33.02	231	58.826	255	32.34	87	19.065	228	20.84	236
29	33.161	289	29.68	87	12.031	192	35.33	231	59.081	221	31.47	70	19.293	193	23.20	237
Juli 9	33.450	234	30.55	113	12.223	152	37.64	224	59.302	180	30.77	52	19.486	153	25.57	231
19	33.684	174	31.68	135	12.375	109	39.88	213	59.482	136	30.25	32	19.639	110	27.88	219
29	33.858	110	33.03	152	12.484	64	42.01	197	59.618	89	29.93	13	19.749	65	30.07	205
Aug. 7	[30] 33.968	45	34.55	164	[31] 12.548	18	43.98	178	[31] 59.707	42	29.80	4	[31] 19.814	19	32.12	185
17	34.013	19	36.19	169	12.566	25	45.76	155	59.749	4	29.84	20	19.833	24	33.97	163
27	33.994	79	37.88	167	12.541	64	47.31	131	59.745	48	30.04	33	19.809	65	35.60	138
Sept. 6	33.915	133	39.55	158	12.477	100	48.62	105	59.697	86	30.37	42	19.744	100	36.98	111
16	33.782	177	41.13	142	12.377	129	49.67	77	59.611	116	30.79	49	19.644	128	38.09	83
26	33.605	210	42.55	121	12.248	149	50.44	48	59.495	140	31.28	53	19.516	150	38.92	54
Okt. 6	33.395	231	43.76	93	12.099	161	50.92	20	59.355	153	31.81	53	19.366	163	39.46	24
16	33.164	238	44.69	61	11.938	165	51.12	9	59.202	158	32.34	50	19.203	166	39.70	6
26	32.926	232	45.30	27	11.773	160	51.03	38	59.044	151	32.84	46	19.037	162	39.64	36
Nov. 5	32.694	213	45.57	8	11.613	148	50.65	66	58.893	137	33.30	41	18.875	150	39.28	65
15	32.481	182	45.49	43	11.465	127	49.99	93	58.756	116	33.71	34	18.725	130	38.63	94
25	32.299	143	45.06	77	11.338	103	49.06	119	58.640	87	34.05	28	18.595	106	37.69	119
Dez. 5	32.156	96	44.29	108	11.235	73	47.87	141	58.553	55	34.33	20	18.489	76	36.50	143
15	32.060	45	43.21	134	11.162	40	46.46	159	58.498	20	34.53	14	18.413	44	35.07	164
25	32.015	9	41.87	157	11.122	6	44.87	173	58.478	16	34.67	6	18.369	10	33.43	178
35	32.024		40.30		11.116		43.14		58.494		34.73		18.359		31.65	
Mittl. Ort	30.536		38.23		10.356		37.11		57.206		35.87		17.627		25.21	
sec δ, tg δ	1.481		−1.093		1.032		+0.256		1.054		−0.333		1.039		+0.280	

Scheinbare Sternörter 1928

Tag	775) β Pavonis AR.		Dekl.		777) α Cygni AR.		Dekl.		780) ε Cygni AR.		Dekl.		781) ε Aquarii AR.		Dekl.	
1928	20ʰ 38ᵐ		−66° 27′		20ʰ 38ᵐ		+45° 0′		20ʰ 43ᵐ		+33° 41′		20ʰ 43ᵐ		−9° 45′	
Jan. 1	24.95	1	64.55	259	56.222	59	81.22	283	15.629	29	58.38	250	44.571	24	45.87	52
11	24.94	9	61.96	276	56.163	9	78.39	299	15.600	12	55.88	262	44.595	59	46.39	46
21	25.03	18	59.20	286	56.154	41	75.40	305	15.612	57	53.26	265	44.654	91	46.85	36
31	25.21	26	56.34	289	56.195	93	72.35	299	15.669	92	50.61	258	44.745	123	47.21	25
Feb. 10	25.47	35	53.45	285	56.288	143	69.36	281	15.761	136	48.03	239	44.868	153	47.46	10
20	25.82	42	50.60	274	56.431	191	66.55	251	15.897	175	45.64	211	45.021	181	47.56	8
März 1	26.24	49	47.86	258	56.622	236	64.04	211	16.072	212	43.53	173	45.202	209	47.48	28
11	26.73	54	45.28	237	56.858	276	61.93	165	16.284	246	41.80	130	45.411	234	47.20	49
21	27.27	59	42.91	210	57.134	312	60.28	111	16.530	275	40.50	80	45.645	257	46.71	71
31	27.86	64	40.81	180	57.446	339	59.17	52	16.805	301	39.70	27	45.902	278	46.00	92
Apr. 10	28.50	67	39.01	147	57.785	360	58.65	6	17.106	319	39.43	27	46.180	295	45.08	110
20	29.17	69	37.54	109	58.145	371	58.71	65	17.425	332	39.70	80	46.475	307	43.98	126
30	29.86	69	36.45	69	58.516	373	59.36	121	17.757	336	40.50	129	46.782	314	42.72	138
Mai 10	30.55	69	35.76	29	58.889	367	60.57	173	18.093	333	41.79	175	47.096	315	41.34	146
20	31.24	67	35.47	14	59.256	350	62.30	218	18.426	321	43.54	214	47.411	309	39.88	150
30	31.91	63	35.61	56	59.606	324	64.48	257	18.747	302	45.68	246	47.720	297	38.38	148
Juni 9	32.54	58	36.17	97	59.930	289	67.05	287	19.049	274	48.14	271	48.017	276	36.90	142
19	33.12	52	37.14	134	60.219	248	69.92	310	19.323	240	50.85	290	48.293	250	35.48	132
29	33.64	44	38.48	169	60.467	200	73.02	325	19.563	199	53.75	299	48.543	216	34.16	119
Juli 9	34.08	36	40.17	199	60.667	147	76.27	331	19.762	154	56.74	302	48.759	178	32.97	103
19	34.44	26	42.16	222	60.814	91	79.58	330	19.916	105	59.76	298	48.937	135	31.94	82
29	34.70	15	44.38	237	60.905	33	82.88	321	20.021	55	62.74	286	49.072	91	31.12	69
Aug. 7	[1] 34.85	5	46.75	246	[1] 60.938	24	86.09	304	[2] 20.076	5	65.60	269	[2] 49.163	45	30.43	48
17	34.90	5	49.21	245	60.914	79	89.13	283	20.081	43	68.29	247	49.208	0	29.95	29
27	34.85	16	51.66	235	60.835	129	91.96	254	20.038	88	70.76	219	49.208	41	29.66	12
Sept. 6	34.69	25	54.01	216	60.706	173	94.50	222	19.950	128	72.95	189	49.167	78	29.54	4
16	34.44	32	56.17	188	60.533	210	96.72	183	19.822	160	74.84	153	49.089	108	29.58	16
26	34.12	38	58.05	153	60.323	239	98.55	141	19.662	186	76.37	115	48.981	131	29.74	27
Okt. 6	33.74	42	59.58	111	60.084	257	99.96	96	19.476	201	77.52	75	48.850	145	30.01	36
16	33.32	44	60.69	64	59.827	266	100.92	49	19.275	209	78.27	33	48.705	150	30.37	43
26	32.88	44	61.33	13	59.561	265	101.41	1	19.066	207	78.60	11	48.555	146	30.80	47
Nov. 5	32.44	42	61.46	38	59.296	254	101.40	52	18.859	196	78.49	55	48.409	133	31.27	51
15	32.02	37	61.08	89	59.042	234	100.88	103	18.663	178	77.94	98	48.276	114	31.78	54
25	31.65	31	60.19	136	58.808	206	99.85	150	18.485	154	76.96	138	48.162	89	32.32	55
Dez. 5	31.34	24	58.83	179	58.602	172	98.35	194	18.331	123	75.58	177	48.073	59	32.87	56
15	31.10	15	57.04	217	58.430	131	96.41	234	18.208	89	73.81	210	48.014	27	33.43	54
25	30.95	6	54.87	246	58.299	87	94.07	266	18.119	50	71.71	235	47.987	6	33.97	52
35	30.89		52.41		58.212		91.41		18.069		69.36		47.993		34.49	
Mittl. Ort	29.50		49.17		58.610		80.18		17.845		59.00		46.787		37.25	
sec δ, tg δ	2.504		−2.296		1.415		+1.001		1.202		+0.667		1.015		−0.172	

Tag	783) η Cephei AR.		Dekl.		784) λ Cygni AR.		Dekl.		785) β Indi AR.		Dekl.		786) 32 Vulpeculae AR.		Dekl.	
1928	20h 43m		+61° 33′		20h 44m		+36° 13′		20h 49m		−58° 43′		20h 51m		+27° 46′	
Jan. 1	46.74	17	34.61	298	33.948	37	31.28	258	8.048	4	53.53	220	27.299	25	57.09	227
11	46.57	9	31.63	321	33.911	5	28.70	271	8.044	65	51.33	240	27.274	13	54.82	237
21	46.48	1	28.42	333	33.916	48	25.99	275	8.109	132	48.93	253	27.287	51	52.45	239
31	46.47	7	25.09	331	33.964	91	23.24	268	8.241	198	46.40	260	27.338	89	50.06	232
Feb. 10	46.54	15	21.78	318	34.055	134	20.56	250	8.439	259	43.80	261	27.427	127	47.74	214
20	46.69	23	18.60	291	34.189	175	18.06	222	8.698	315	41.19	257	27.554	163	45.60	188
März 1	46.92	31	15.69	254	34.364	213	15.84	185	9.013	368	38.62	246	27.717	197	43.72	153
11	47.23	36	13.15	205	34.577	248	13.99	139	9.381	414	36.16	232	27.914	230	42.19	111
21	47.59	42	11.10	151	34.825	280	12.60	89	9.795	456	33.84	212	28.144	259	41.08	65
31	48.01	46	9.59	90	35.105	305	11.71	36	10.251	491	31.72	189	28.403	284	40.43	16
Apr. 10	48.47	49	8.69	27	35.410	326	11.35	20	10.742	519	29.83	162	28.687	303	40.27	34
20	48.96	51	8.42	37	35.736	337	11.55	74	11.261	539	28.21	131	28.990	317	40.61	83
30	49.47	51	8.79	98	36.073	342	12.29	125	11.800	549	26.90	96	29.307	323	41.44	128
Mai 10	49.98	49	9.77	156	36.415	339	13.54	172	12.349	549	25.94	61	29.630	323	42.72	170
20	50.47	46	11.33	208	36.754	327	15.26	214	12.898	537	25.33	22	29.953	314	44.42	206
30	50.93	42	13.41	254	37.081	306	17.40	247	13.435	515	25.11	17	30.267	297	46.48	235
Juni 9	51.35	37	15.95	292	37.387	278	19.87	274	13.950	480	25.28	56	30.564	274	48.83	258
19	51.72	31	18.87	321	37.665	242	22.61	294	14.430	433	25.84	92	30.838	242	51.41	273
29	52.03	24	22.08	344	37.907	201	25.55	305	14.863	376	26.76	127	31.080	205	54.14	280
Juli 9	52.27	16	25.52	355	38.108	154	28.60	309	15.239	308	28.03	158	31.285	163	56.94	282
19	52.43	8	29.07	360	38.262	105	31.69	305	15.547	234	29.61	183	31.448	118	59.76	276
29	52.51	0	32.67	357	38.367	53	34.74	295	15.781	154	31.44	203	31.566	69	62.52	265
Aug. 7	[2] 52.51	8	36.24	345	[2] 38.420	1	37.69	278	[4] 15.935	71	33.47	215	[4] 31.635	22	65.17	247
17	52.43	15	39.69	326	38.421	48	40.47	257	16.006	11	35.62	220	31.657	25	67.64	225
27	52.28	23	42.95	300	38.373	94	43.04	229	15.995	90	37.82	216	31.632	68	69.89	200
Sept. 6	52.05	29	45.95	267	38.279	134	45.33	197	15.905	162	39.98	203	31.564	107	71.89	170
16	51.76	34	48.62	230	38.145	168	47.30	162	15.743	223	42.01	183	31.457	139	73.59	137
26	51.42	38	50.92	187	37.977	194	48.92	123	15.520	272	43.84	154	31.318	163	74.96	102
Okt. 6	51.04	42	52.79	138	37.783	211	50.15	81	15.248	306	45.38	119	31.155	180	75.98	65
16	50.62	44	54.17	87	37.572	218	50.96	38	14.942	322	46.57	79	30.975	187	76.63	27
26	50.18	44	55.04	33	37.354	218	51.34	7	14.620	322	47.36	34	30.788	187	76.90	12
Nov. 5	49.74	43	55.37	25	37.136	207	51.27	52	14.298	305	47.70	12	30.601	177	76.78	51
15	49.31	41	55.12	81	36.929	190	50.75	98	13.993	274	47.58	57	30.424	161	76.27	91
25	48.90	37	54.31	136	36.739	164	49.77	140	13.719	229	47.01	101	30.263	139	75.36	127
Dez. 5	48.53	33	52.95	189	36.575	134	48.37	180	13.490	174	46.00	142	30.124	110	74.09	161
15	48.20	27	51.06	236	36.441	99	46.57	215	13.316	111	44.58	177	30.014	79	72.48	190
25	47.93	21	48.70	275	36.342	60	44.42	242	13.205	43	42.81	207	29.935	44	70.58	213
35	47.72		45.95		36.282		42.00		13.162		40.74		29.891		68.45	
Mittl. Ort	49.69		31.22		36.188		31.44		11.656		37.76		29.446		58.59	
sec δ, tg δ	2.100		+1.847		1.240		+0.733		1.926		−1.646		1.130		+0.527	

Scheinbare Sternörter 1928

Tag	788) ν Cygni AR.	Δ	788) ν Cygni Dekl.	Δ	790) ζ Microscopii AR.	Δ	790) ζ Microscopii Dekl.	Δ	793) 61 Cygni pr.[1] AR.	Δ	793) 61 Cygni pr.[1] Dekl.	Δ	794) ν Aquarii AR.	Δ	794) ν Aquarii Dekl.	Δ
1928	$20^h\ 54^m$		$+40°\ 53'$		$20^h\ 58^m$		$-38°\ 54'$		$21^h\ 3^m$		$+38°\ 23'$		$21^h\ 5^m$		$-11°\ 39'$	
Jan. 1	27.009	61	21.80	263	19.583	10	64.13	114	37.846	49	40.82	242	38.305	7	60.62	38
11	26.948	17	19.17	280	19.593	54	62.99	132	37.797	8	38.40	260	38.312	38	61.00	30
21	26.931	29	16.37	287	19.647	96	61.67	147	37.789	36	35.80	266	38.350	70	61.30	19
31	26.960	75	13.50	284	19.743	137	60.20	159	37.825	80	33.14	263	38.420	102	61.49	7
Feb. 10	27.035	121	10.66	267	19.880	175	58.61	168	37.905	124	30.51	248	38.522	132	61.56	9
20	27.156	167	7.99	241	20.055	212	56.93	174	38.029	168	28.03	222	38.654	163	61.47	26
März 1	27.323	210	5.58	205	20.267	248	55.19	177	38.197	209	25.81	187	38.817	191	61.21	46
11	27.533	250	3.53	160	20.515	280	53.42	178	38.406	248	23.94	144	39.008	219	60.75	65
21	27.783	285	1.93	110	20.795	310	51.64	176	38.654	283	22.50	94	39.227	245	60.10	86
31	28.068	315	0.83	55	21.105	337	49.88	170	38.937	313	21.56	41	39.472	268	59.24	105
Apr. 10	28.383	337	0.28	2	21.442	359	48.18	160	39.250	336	21.15	14	39.740	289	58.19	122
20	28.720	352	0.30	59	21.801	376	46.58	147	39.586	352	21.29	69	40.029	304	56.97	137
30	29.072	359	0.89	113	22.177	387	45.11	131	39.938	360	21.98	122	40.333	316	55.60	147
Mai 10	29.431	356	2.02	163	22.564	390	43.80	110	40.298	359	23.20	171	40.649	320	54.13	153
20	29.787	344	3.65	208	22.954	386	42.70	87	40.657	349	24.91	215	40.969	317	52.60	155
30	30.131	324	5.73	245	23.340	374	41.83	61	41.006	331	27.06	251	41.286	307	51.05	152
Juni 9	30.455	295	8.18	277	23.714	352	41.22	32	41.337	304	29.57	281	41.593	291	49.53	144
19	30.750	258	10.95	299	24.066	321	40.90	4	41.641	270	32.38	303	41.884	266	48.09	134
29	31.008	214	13.94	314	24.387	283	40.86	25	41.911	228	35.41	318	42.150	236	46.75	118
Juli 9	31.222	166	17.08	321	24.670	238	41.11	53	42.139	182	38.59	324	42.386	199	45.57	101
19	31.388	114	20.29	321	24.908	187	41.64	78	42.321	132	41.83	323	42.585	157	44.56	81
29	31.502	60	23.50	313	25.095	131	42.42	100	42.453	80	45.06	316	42.742	113	43.75	61
Aug. 7*)	31.562	6	26.63	298	25.226	74	43.42	118	42.533	27	48.22	301	42.855	67	43.14	40
17	31.568	47	29.61	278	25.300	18	44.60	131	42.560	24	51.23	280	42.922	22	42.74	21
27	31.521	96	32.39	252	25.318	36	45.91	137	42.536	72	54.03	255	42.944	22	42.53	4
Sept. 6	31.425	139	34.91	221	25.282	86	47.28	138	42.464	115	56.58	225	42.922	60	42.49	12
16	31.286	176	37.12	185	25.196	127	48.66	133	42.349	151	58.83	189	42.862	93	42.61	26
26	31.110	205	38.97	146	25.069	161	49.99	121	42.198	179	60.72	151	42.769	118	42.87	36
Okt. 6	30.905	224	40.43	103	24.908	182	51.20	103	42.019	199	62.23	110	42.651	136	43.23	43
16	30.681	236	41.46	57	24.726	193	52.23	81	41.820	211	63.33	66	42.515	144	43.66	49
26	30.445	237	42.03	11	24.533	194	53.04	56	41.609	212	63.99	21	42.371	144	44.15	51
Nov. 5	30.208	229	42.14	38	24.339	181	53.60	28	41.397	206	64.20	25	42.227	136	44.66	53
15	29.979	213	41.76	86	24.158	161	53.88	1	41.191	191	63.95	72	42.091	119	45.19	52
25	29.766	189	40.90	132	23.997	131	53.87	30	41.000	170	63.23	116	41.972	98	45.71	51
Dez. 5	29.577	160	39.58	175	23.866	96	53.57	57	40.830	141	62.07	158	41.874	72	46.22	49
15	29.417	125	37.83	214	23.770	56	53.00	81	40.689	109	60.49	195	41.802	42	46.71	44
25	29.292	85	35.69	245	23.714	13	52.19	104	40.580	71	58.54	226	41.760	10	47.15	40
35	29.207		33.24		23.701		51.15		40.509		56.28		41.750		47.55	
Mittl. Ort	29.281		20.88		22.197		49.96		40.068		40.29		40.455		50.99	
sec δ, tg δ	1.323		+0.866		1.285		−0.807		1.276		+0.792		1.021		−0.207	

[1]) Die jährliche Parallaxe (0.″30) ist bereits berücksichtigt.

*) Bei Stern 794) lies August 8

Tag	795) Br. 2777				797) ζ Cygni				800) α Equulei				803) α Cephei			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1928	21h 6m		+77° 49′		21h 9m		+29° 55′		21h 12m		+4° 56′		21h 16m		+62° 16′	
Jan. 1	53.20 s	62	71.38 ″	271	50.146 s	46	50.04 ″	223	11.471 s	9	51.10 ″	122	48.88 s	22	53.31 ″	271
11	52.58	45	68.67	305	50.100	9	47.81	236	11.462	21	49.88	122	48.66	16	50.60	300
21	52.13	27	65.62	327	50.091	28	45.45	242	11.483	52	48.66	117	48.50	8	47.60	321
31	51.86	7	62.35	337	50.119	67	43.03	237	11.535	84	47.49	107	48.42	1	44.39	328
Feb. 10	51.79	12	58.98	334	50.186	106	40.66	223	11.619	114	46.42	90	48.43	8	41.11	323
20	51.91	32	55.64	318	50.292	144	38.43	198	11.733	145	45.52	69	48.51	17	37.88	305
März 1	52.23	50	52.46	289	50.436	181	36.45	166	11.878	175	44.83	43	48.68	25	34.83	274
11	52.73	66	49.57	249	50.617	216	34.79	127	12.053	204	44.40	13	48.93	32	32.09	234
21	53.39	79	47.08	200	50.833	249	33.52	81	12.257	232	44.27	18	49.25	39	29.75	183
31	54.18	91	45.08	145	51.082	277	32.71	32	12.489	256	44.45	52	49.64	44	27.92	127
Apr. 10	55.09	98	43.63	83	51.359	301	32.39	19	12.745	277	44.97	84	50.08	48	26.65	67
20	56.07	103	42.80	21	51.660	318	32.58	68	13.022	293	45.81	115	50.56	51	25.98	5
30	57.10	104	42.59	41	51.978	328	33.26	116	13.315	305	46.96	141	51.07	52	25.93	58
Mai 10	58.14	100	43.00	103	52.306	330	34.42	160	13.620	310	48.37	164	51.59	52	26.51	117
20	59.14	95	44.03	159	52.636	325	36.02	198	13.930	307	50.01	182	52.11	50	27.68	173
30	60.09	87	45.62	211	52.961	310	38.00	230	14.237	298	51.83	193	52.61	47	29.41	222
Juni 9	60.96	75	47.73	256	53.271	289	40.30	256	14.535	281	53.76	200	53.08	42	31.63	266
19	61.71	63	50.29	293	53.560	259	42.86	274	14.816	257	55.76	201	53.50	37	34.29	301
29	62.34	48	53.22	323	53.819	223	45.60	285	15.073	227	57.77	196	53.87	30	37.30	329
Juli 9	62.82	32	56.45	346	54.042	182	48.45	290	15.300	190	59.73	188	54.17	23	40.59	348
19	63.14	14	59.91	359	54.224	136	51.35	286	15.490	151	61.61	174	54.40	15	44.07	359
29	63.28	3	63.50	364	54.360	89	54.21	277	15.641	107	63.35	158	54.55	7	47.66	362
Aug. 8	63.25	19	67.14	362	54.449	39	56.98	263	15.748	63	64.93	138	54.62	2	51.28	357
17	63.06	35	70.76	351	54.488	8	59.61	242	15.811	19	66.31	118	54.60	9	54.85	345
27	62.71	51	74.27	334	54.480	53	62.03	218	15.830	23	67.49	95	54.51	17	58.30	324
Sept. 6	62.20	66	77.61	309	54.427	93	64.21	189	15.807	60	68.44	73	54.34	23	61.54	297
16	61.54	78	80.70	277	54.334	128	66.10	158	15.747	92	69.17	50	54.11	29	64.51	264
26	60.76	89	83.47	239	54.206	155	67.68	122	15.655	117	69.67	28	53.82	35	67.15	226
Okt. 6	59.87	97	85.86	196	54.051	174	68.90	86	15.538	134	69.95	7	53.47	39	69.41	182
16	58.90	104	87.82	147	53.877	185	69.76	46	15.404	143	70.02	14	53.08	42	71.23	132
26	57.86	108	89.29	93	53.692	188	70.22	7	15.261	144	69.88	33	52.66	43	72.55	79
Nov. 5	56.78	109	90.22	37	53.504	182	70.29	34	15.117	138	69.55	51	52.23	43	73.34	23
15	55.69	107	90.59	23	53.322	170	69.95	74	14.979	124	69.04	69	51.80	43	73.57	35
25	54.62	102	90.36	82	53.152	151	69.21	113	14.855	105	68.35	85	51.37	40	73.22	91
Dez. 5	53.60	95	89.54	140	53.001	126	68.08	149	14.750	82	67.50	98	50.97	37	72.31	147
15	52.65	85	88.14	194	52.875	97	66.59	182	14.668	55	66.52	109	50.60	32	70.84	199
25	51.80	71	86.20	243	52.778	64	64.77	207	14.613	25	65.43	117	50.28	26	68.85	244
35	51.09		83.77		52.714		62.70		14.588		64.26		50.02		66.41	
Mittl. Ort	58.28		65.27		52.251		50.76		13.514		57.24		51.73		48.24	
sec δ, tg δ	4.745		+4.639		1.154		+0.576		1.004		+0.087		2.150		+1.903	

Tag	804) ι Pegasi AR.		804) ι Pegasi Dekl.		805) γ Pavonis AR.		805) γ Pavonis Dekl.		806) ζ Capricorni AR.		806) ζ Capricorni Dekl.		809) β Cephei AR.		809) β Cephei Dekl.	
1928	21h 18m		+19° 29′		21h 20m		−65° 41′		21h 22m		−22° 43′		21h 27m		+70° 14′	
Jan. 1	43.342 s	33	41.22″	181	26.74 s	10	54.94″	243	31.401 s	7	39.59″	23	40.87 s	38	46.40″	258
11	43.309	1	39.41	190	26.64	1	52.51	270	31.394	25	39.36	38	40.49	28	43.82	293
21	43.308	33	37.51	191	26.63	7	49.81	289	31.419	58	38.98	52	40.21	18	40.89	319
31	43.341	66	35.60	185	26.70	15	46.92	302	31.477	92	38.46	67	40.03	7	37.70	331
Feb. 10	43.407	100	33.75	170	26.85	23	43.90	307	31.569	124	37.79	82	39.96	5	34.39	331
20	43.507	135	32.05	147	27.08	31	40.83	306	31.693	156	36.97	98	40.01	17	31.08	319
März 1	43.642	169	30.58	118	27.39	38	37.77	297	31.849	187	35.99	111	40.18	29	27.89	292
11	43.811	200	29.40	83	27.77	45	34.80	282	32.036	218	34.88	125	40.47	39	24.97	256
21	44.011	231	28.57	42	28.22	50	31.98	263	32.254	247	33.63	138	40.86	48	22.41	209
31	44.242	259	28.15	0	28.72	56	29.35	237	32.501	273	32.25	147	41.34	56	20.32	154
Apr. 10	44.501	282	28.15	44	29.28	60	26.98	207	32.774	297	30.78	155	41.90	62	18.78	95
20	44.783	299	28.59	85	29.88	64	24.91	172	33.071	317	29.23	158	42.52	66	17.83	33
30	45.082	312	29.44	126	30.52	66	23.19	134	33.388	330	27.65	158	43.18	68	17.50	29
Mai 10	45.394	317	30.70	162	31.18	66	21.85	93	33.718	338	26.07	153	43.86	68	17.79	91
20	45.711	314	32.32	192	31.84	67	20.92	49	34.056	339	24.54	145	44.54	66	18.70	149
30	46.025	303	34.24	217	32.51	64	20.43	4	34.395	331	23.09	131	45.20	61	20.19	201
Juni 9	46.328	286	36.41	236	33.15	61	20.39	41	34.726	317	21.78	114	45.81	56	22.20	249
19	46.614	260	38.77	247	33.76	57	20.80	83	35.043	294	20.64	95	46.37	48	24.69	288
29	46.874	228	41.24	253	34.33	50	21.63	125	35.337	264	19.69	72	46.85	39	27.57	320
Juli 9	47.102	191	43.77	252	34.83	42	22.88	163	35.601	226	18.97	48	47.24	30	30.77	344
19	47.293	150	46.29	246	35.25	34	24.51	194	35.827	185	18.49	25	47.54	19	34.21	360
29	47.443	104	48.75	234	35.59	25	26.45	219	36.012	139	18.24	0	47.73	9	37.81	368
Aug. 8	47.547	59	51.09	217	35.84	14	28.64	238	36.151	90	18.24	21	47.82	2	41.49	367
17	[11] 47.606	14	53.26	197	[11] 35.98	4	31.02	247	[12] 36.241	42	18.45	41	[13] 47.80	13	45.16	359
27	47.620	28	55.23	174	36.02	6	33.49	247	36.283	5	18.86	57	47.67	23	48.75	343
Sept. 6	47.592	68	56.97	147	35.96	16	35.96	238	36.278	47	19.43	69	47.44	32	52.18	320
16	47.524	101	58.44	119	35.80	25	38.34	219	36.231	85	20.12	77	47.12	41	55.38	290
26	47.423	127	59.63	89	35.55	31	40.53	191	36.146	114	20.89	80	46.71	48	58.28	254
Okt. 6	47.296	147	60.52	58	35.24	37	42.44	154	36.032	136	21.69	79	46.23	54	60.82	211
16	47.149	157	61.10	26	34.87	40	43.98	112	35.896	148	22.48	74	45.69	59	62.93	163
26	46.992	160	61.36	6	34.47	42	45.10	63	35.748	151	23.22	66	45.10	62	64.56	111
Nov. 5	46.832	155	61.30	38	34.05	42	45.73	12	35.597	146	23.88	55	44.48	62	65.67	54
15	46.677	144	60.92	69	33.63	39	45.85	41	35.451	131	24.43	42	43.86	63	66.21	4
25	46.533	126	60.23	99	33.24	35	45.44	93	35.320	112	24.85	28	43.23	60	66.17	64
Dez. 5	46.407	104	59.24	127	32.89	29	44.51	141	35.208	86	25.13	13	42.63	56	65.53	123
15	46.303	79	57.97	150	32.60	22	43.10	186	35.122	57	25.26	1	42.07	51	64.30	178
25	46.224	49	56.47	170	32.38	15	41.24	224	35.065	25	25.25	16	41.56	44	62.52	228
35	46.175		54.77		32.23		39.00		35.040		25.09		41.12		60.24	
Mittl. Ort	45.365		44.06		30.68		36.20		33.587		27.08		44.31		39.87	
sec δ, tg δ	1.061		+0.354		2.429		−2.214		1.084		−0.419		2.958		+2.784	

Tag	808) β Aquarii AR.		808) β Aquarii Dekl.		810) ν Octantis AR.		810) ν Octantis Dekl.		811) 74 Cygni AR.		811) 74 Cygni Dekl.		815) ε Pegasi AR.		815) ε Pegasi Dekl.	
1928	21ʰ 27ᵐ		−5° 53′		21ʰ 33ᵐ		−77° 42′		21ʰ 34ᵐ		+40° 5′		21ʰ 40ᵐ		+9° 32′	
Jan. 1	44.170	15	28.46	64	25.68	34	61.45	278	1.558	97	23.77	231	37.044	36	33.54	131
11	44.155	15	29.10	59	25.34	18	58.67	310	1.461	59	21.46	253	37.008	9	32.23	135
21	44.170	44	29.69	49	25.16	1	55.57	330	1.402	17	18.93	267	36.999	21	30.88	134
31	44.214	75	30.18	37	25.15	15	52.27	344	1.385	26	16.26	270	37.020	52	29.54	125
Feb. 10	44.289	106	30.55	21	25.30	32	48.83	348	1.411	72	13.56	261	37.072	83	28.29	111
20	44.395	136	30.76	2	25.62	48	45.35	344	1.483	118	10.95	243	37.155	115	27.18	91
März 1	44.531	165	30.78	20	26.10	62	41.91	333	1.601	164	8.52	213	37.270	148	26.27	65
11	44.696	196	30.58	43	26.72	76	38.58	314	1.765	208	6.39	176	37.418	180	25.62	35
21	44.892	224	30.15	68	27.48	88	35.44	288	1.973	249	4.63	130	37.598	210	25.27	2
31	45.116	250	29.47	93	28.36	98	32.56	257	2.222	285	3.33	79	37.808	239	25.25	34
Apr. 10	45.366	273	28.54	115	29.34	107	29.99	220	2.507	316	2.54	26	38.047	265	25.59	69
20	45.639	293	27.39	136	30.41	113	27.79	180	2.823	340	2.28	29	38.312	286	26.28	103
30	45.932	306	26.03	152	31.54	118	25.99	135	3.163	354	2.57	82	38.598	301	27.31	134
Mai 10	46.238	315	24.51	164	32.72	120	24.64	86	3.517	361	3.39	134	38.899	311	28.65	162
20	46.553	315	22.87	172	33.92	120	23.78	37	3.878	358	4.73	180	39.210	313	30.27	185
30	46.868	309	21.15	175	35.12	117	23.41	13	4.236	346	6.53	221	39.523	307	32.12	202
Juni 9	47.177	295	19.40	172	36.29	111	23.54	63	4.582	324	8.74	255	39.830	294	34.14	213
19	47.472	273	17.68	165	37.40	102	24.17	112	4.906	294	11.29	283	40.124	273	36.27	219
29	47.745	246	16.03	154	38.42	91	25.29	156	5.200	256	14.12	302	40.397	246	38.46	218
Juli 9	47.991	211	14.49	138	39.33	78	26.85	197	5.456	212	17.14	315	40.643	211	40.64	214
19	48.202	171	13.11	121	40.11	62	28.82	231	5.668	163	20.29	319	40.854	174	42.78	203
29	48.373	129	11.90	100	40.73	45	31.13	258	5.831	112	23.48	317	41.028	131	44.81	188
Aug. 8	[13] 48.502	85	10.90	80	[15] 41.18	26	33.71	277	[15] 5.943	59	26.65	308	[17] 41.159	88	46.69	171
17	48.587	40	10.10	59	41.44	7	36.48	286	6.002	6	29.73	292	41.247	44	48.40	150
27	48.627	3	9.51	38	41.51	12	39.34	284	6.008	44	32.65	271	41.291	1	49.90	128
Sept. 6	48.624	42	9.13	19	41.39	31	42.18	273	5.964	90	35.36	245	41.292	38	51.18	104
16	48.582	76	8.94	1	41.08	48	44.91	250	5.874	130	37.81	213	41.254	71	52.22	79
26	48.506	103	8.93	14	40.60	62	47.41	217	5.744	165	39.94	178	41.183	100	53.01	55
Okt. 6	48.403	122	9.07	28	39.98	74	49.58	176	5.579	190	41.72	138	41.083	121	53.56	31
16	48.281	135	9.35	38	39.24	83	51.34	127	5.389	207	43.10	96	40.962	133	53.87	7
26	48.146	137	9.73	47	38.41	87	52.61	71	5.182	217	44.06	51	40.829	140	53.94	16
Nov. 5	48.009	133	10.20	54	37.54	89	53.32	12	4.965	217	44.57	5	40.689	138	53.78	39
15	47.876	122	10.74	60	36.65	86	53.44	47	4.748	210	44.62	43	40.551	130	53.39	60
25	47.754	105	11.34	64	35.79	80	52.97	107	4.538	195	44.19	89	40.421	116	52.79	80
Dez. 5	47.649	83	11.98	66	34.99	70	51.90	163	4.343	175	43.30	134	40.305	98	51.99	98
15	47.566	57	12.64	66	34.29	58	50.27	213	4.168	148	41.96	174	40.207	75	51.01	113
25	47.509	30	13.30	65	33.71	43	48.14	257	4.020	117	40.22	210	40.132	50	49.88	124
35	47.479		13.95		33.28		45.57		3.903		38.12		40.082		48.64	
Mittl. Ort	46.191		19.58		32.07		41.12		3.681		21.78		38.973		38.69	
sec δ, tg δ	1.005		−0.103		4.698		−4.591		1.307		+0.842		1.014		+0.168	

Scheinbare Sternörter 1928

Tag	819) δ Capricorni AR.		819) δ Capricorni Dekl.		821) π² Cygni AR.		821) π² Cygni Dekl.		822) γ Gruis AR.		822) γ Gruis Dekl.		823) 16 Pegasi AR.		823) 16 Pegasi Dekl.	
1928	21ʰ 43ᵐ		−16° 27′		21ʰ 44ᵐ		+48° 58′		21ʰ 49ᵐ		−37° 42′		21ʰ 49ᵐ		+25° 34′	
Jan. 1	2ˢ.130	25	29″.19	11	5ˢ.659	149	36″.81	235	32ˢ.191	45	32″.39	96	45ˢ.156	68	67″.56	183
11	2.105	5	29.30	2	5.510	104	34.46	265	32.146	9	31.43	120	45.088	39	65.73	199
21	2.110	35	29.28	16	5.406	57	31.81	285	32.137	29	30.23	143	45.049	7	63.74	206
31	2.145	66	29.12	31	5.349	4	28.96	293	32.166	68	28.80	162	45.042	28	61.68	205
Feb. 10	2.211	97	28.81	48	5.345	51	26.03	290	32.234	106	27.18	179	45.070	64	59.63	196
20	2.308	128	28.33	65	5.396	106	23.13	275	32.340	144	25.39	192	45.134	101	57.67	177
März 1	2.436	160	27.68	84	5.502	163	20.38	248	32.484	182	23.47	202	45.235	139	55.90	150
11	2.596	191	26.84	102	5.665	216	17.90	212	32.666	219	21.45	209	45.374	176	54.40	117
21	2.787	221	25.82	120	5.881	266	15.78	167	32.885	256	19.36	212	45.550	211	53.23	77
31	3.008	250	24.62	135	6.147	310	14.11	116	33.141	288	17.24	211	45.761	244	52.46	34
Apr. 10	3.258	276	23.27	149	6.457	347	12.95	60	33.429	319	15.13	207	46.005	274	52.12	12
20	3.534	297	21.78	160	6.804	377	12.35	2	33.748	346	13.06	196	46.279	298	52.24	57
30	3.831	315	20.18	166	7.181	395	12.33	55	34.094	366	11.10	183	46.577	315	52.81	102
Mai 10	4.146	325	18.52	168	7.576	403	12.88	111	34.460	381	9.27	163	46.892	325	53.83	143
20	4.471	330	16.84	165	7.979	400	13.99	163	34.841	386	7.64	142	47.217	328	55.26	180
30	4.801	326	15.19	158	8.379	386	15.62	209	35.227	383	6.22	114	47.545	321	57.06	211
Juni 9	5.127	314	13.61	147	8.765	363	17.71	250	35.610	371	5.08	85	47.866	307	59.17	237
19	5.441	295	12.14	130	9.128	328	20.21	284	35.981	351	4.23	53	48.173	285	61.54	255
29	5.736	268	10.84	112	9.456	287	23.05	310	36.332	320	3.70	21	48.458	255	64.09	268
Juli 9	6.004	234	9.72	90	9.743	237	26.15	327	36.652	283	3.49	13	48.713	220	66.77	273
19	6.238	196	8.82	67	9.980	182	29.42	339	36.935	237	3.62	45	48.933	179	69.50	272
29	6.434	152	8.15	43	10.162	125	32.81	341	37.172	187	4.07	75	49.112	134	72.22	265
Aug. 8	6.586	107	7.72	20	10.287	64	36.22	337	37.359	133	4.82	100	49.246	87	74.87	252
17*)	17 6.693	61	7.52	2	17 10.351	6	39.59	325	37.492	78	5.82	122	49.333	42	77.39	236
27	6.754	15	7.54	22	10.357	52	42.84	306	19 37.570	22	7.04	138	19 49.375	3	79.75	214
Sept. 6	6.769	27	7.76	38	10.305	105	45.90	282	37.592	29	8.42	147	49.372	45	81.89	189
16	6.742	64	8.14	52	10.200	152	48.72	252	37.563	76	9.89	150	49.327	81	83.78	161
26	6.678	94	8.66	61	10.048	192	51.24	217	37.487	115	11.39	146	49.246	112	85.39	130
Okt. 6	6.584	117	9.27	67	9.856	224	53.41	176	37.372	146	12.85	134	49.134	135	86.69	98
16	6.467	132	9.94	69	9.632	248	55.17	132	37.226	167	14.19	118	48.999	152	87.67	63
26	6.335	138	10.63	67	9.384	262	56.49	84	37.059	177	15.37	95	48.847	160	88.30	28
Nov. 5	6.197	136	11.30	62	9.122	267	57.33	33	36.882	178	16.32	69	48.687	162	88.58	8
15	6.061	127	11.92	57	8.855	263	57.66	18	36.704	168	17.01	40	48.525	157	88.50	45
25	5.934	111	12.49	48	8.592	251	57.48	71	36.536	152	17.41	9	48.368	145	88.05	79
Dez. 5	5.823	91	12.97	38	8.341	232	56.77	121	36.384	127	17.50	22	48.223	128	87.26	112
15	5.732	66	13.35	28	8.109	204	55.56	168	36.257	98	17.28	52	48.095	108	86.14	142
25	5.666	40	13.63	17	7.905	170	53.88	211	36.159	64	16.76	81	47.987	82	84.72	168
35	5.626		13.80		7.735		51.77		36.095		15.95		47.905		83.04	
Mittl. Ort	4.150		17.41		7.893		32.73		34.449		15.67		47.088		68.54	
sec δ, tg δ	1.043		−0.295		1.523		+1.149		1.264		−0.773		1.109		+0.479	

*) Bei Stern 822) und 823) lies August 18

Tag	827) α Aquarii AR.		827) α Aquarii Dekl.		828) ι Aquarii AR.		828) ι Aquarii Dekl.		830) 20 Cephei AR.		830) 20 Cephei Dekl.		829) α Gruis AR.		829) α Gruis Dekl.	
1928	22ʰ 2ᵐ		−0° 39′		22ʰ 2ᵐ		−14° 12′		22ʰ 2ᵐ		+62° 25′		22ʰ 3ᵐ		−47° 18′	
Jan. 1	3.339	43	81.17	82	31.141	41	82.45	22	46.54	30	69.37	222	39.833	82	57.72	135
11	3.296	18	81.99	79	31.100	13	82.67	9	46.24	23	67.15	262	39.751	40	56.37	167
21	3.278	9	82.78	72	31.087	14	82.76	6	46.01	16	64.53	291	39.711	4	54.70	193
31	3.287	38	83.50	61	31.101	44	82.70	21	45.85	9	61.62	310	39.715	49	52.77	216
Feb. 10	3.325	67	84.11	45	31.145	74	82.49	39	45.76	1	58.52	316	39.764	94	50.61	233
20	3.392	98	84.56	27	31.219	106	82.10	57	45.75	8	55.36	309	39.858	139	48.28	246
März 1	3.490	130	84.83	3	31.325	137	81.53	77	45.83	16	52.27	291	39.997	185	45.82	254
11	3.620	162	84.86	23	31.462	170	80.76	97	45.99	24	49.36	259	40.182	229	43.28	258
21	3.782	194	84.63	48	31.632	201	79.79	116	46.23	32	46.77	219	40.411	272	40.70	255
31	3.976	225	84.15	77	31.833	232	78.63	135	46.55	38	44.58	170	40.683	312	38.15	248
Apr. 10	4.201	252	83.38	104	32.065	261	77.28	151	46.93	44	42.88	114	40.995	350	35.67	237
20	4.453	277	82.34	129	32.326	285	75.77	164	47.37	49	41.74	55	41.345	382	33.30	219
30	4.730	295	81.05	152	32.611	305	74.13	173	47.86	51	41.19	5	41.727	407	31.11	198
Mai 10	5.025	309	79.53	169	32.916	319	72.40	178	48.37	53	41.24	65	42.134	426	29.13	171
20	5.334	315	77.84	183	33.235	326	70.62	178	48.90	53	41.89	123	42.560	436	27.42	140
30	5.649	314	76.01	191	33.561	326	68.84	173	49.43	51	43.12	176	42.996	435	26.02	105
Juni 9	5.963	304	74.10	194	33.887	318	67.11	163	49.94	48	44.88	226	43.431	424	24.97	69
19	6.267	288	72.16	192	34.205	300	65.48	149	50.42	43	47.14	267	43.855	404	24.28	30
29	6.555	264	70.24	185	34.505	276	63.99	131	50.85	38	49.81	303	44.259	373	23.98	9
Juli 9	6.819	233	68.39	172	34.781	246	62.68	110	51.23	32	52.84	329	44.632	332	24.07	48
19	7.052	197	66.67	157	35.027	209	61.58	88	51.55	25	56.13	350	44.964	283	24.55	85
29	7.249	156	65.10	139	35.236	168	60.70	63	51.80	17	59.63	361	45.247	226	25.40	118
Aug. 8	7.405	115	63.71	118	35.404	123	60.07	38	51.97	9	63.24	365	45.473	166	26.58	147
18	7.520	70	62.53	96	35.527	78	59.69	16	52.06	0	66.89	361	45.639	103	28.05	170
27	7.590	28	61.57	74	35.605	33	59.53	7	52.06	6	70.50	350	45.742	39	29.75	185
Sept. 6	7.618	12	60.83	52	35.638	8	59.60	25	52.00	14	74.00	331	45.781	22	31.60	193
16	7.606	48	60.31	30	35.630	47	59.85	42	51.86	21	77.31	305	45.759	79	33.53	194
26	7.558	78	60.01	11	35.583	78	60.27	53	51.65	27	80.36	273	45.680	127	35.47	185
Okt. 6	7.480	101	59.90	7	35.505	103	60.80	62	51.38	32	83.09	234	45.553	166	37.32	168
16	7.379	118	59.97	22	35.402	121	61.42	67	51.06	36	85.43	190	45.387	196	39.00	145
26	7.261	126	60.19	37	35.281	129	62.09	69	50.70	39	87.33	142	45.191	212	40.45	115
Nov. 5	7.135	127	60.56	49	35.152	131	62.78	66	50.31	41	88.75	88	44.979	217	41.60	80
15	7.008	122	61.05	59	35.021	126	63.44	61	49.90	41	89.63	32	44.762	212	42.40	41
25	6.886	112	61.64	67	34.895	114	64.05	55	49.49	41	89.95	26	44.550	197	42.81	1
Dez. 5	6.774	97	62.31	74	34.781	98	64.60	47	49.08	39	89.69	84	44.353	172	42.82	39
15	6.677	77	63.05	78	34.683	77	65.07	38	48.69	36	88.85	140	44.181	140	42.43	79
25	6.600	56	63.83	80	34.606	53	65.45	27	48.33	32	87.45	191	44.041	104	41.64	117
35	6.544		64.63		34.553		65.72		48.01		85.54		43.937		40.47	
Mittl. Ort	5.189		73.17		33.044		70.76		49.13		62.26		42.205		38.56	
sec δ, tg δ	1.000		−0.012		1.032		−0.253		2.161		+1.916		1.475		−1.084	

Tag	834) ϑ Pegasi AR.		834) ϑ Pegasi Dekl.		835) π Pegasi AR.		835) π Pegasi Dekl.		836) ζ Cephei AR.		836) ζ Cephei Dekl.		837) 24 Cephei AR.		837) 24 Cephei Dekl.	
1928	22h 6m		+5° 50′		22h 6m		+32° 49′		22h 8m		+57° 50′		22h 8m		+71° 58′	
Jan. 1	32.259 s	51	28.50″	108	45.349 s	99	28.74″	189	18.842 s	242	51.68″	217	22.32 s	51	79.30″	209
11	32.208	26	27.42	108	45.250	69	26.85	212	18.600	193	49.51	254	21.81	42	77.21	254
21	32.182	1	26.34	106	45.181	37	24.73	225	18.407	136	46.97	283	21.39	31	74.67	289
31	32.183	29	25.28	97	45.144	0	22.48	230	18.271	73	44.14	300	21.08	20	71.78	314
Feb. 10	32.212	60	24.31	84	45.144	39	20.18	225	18.198	5	41.14	306	20.88	8	68.64	324
20	32.272	91	23.47	65	45.183	80	17.93	211	18.193	68	38.08	300	20.80	6	65.40	323
März 1	32.363	123	22.82	41	45.263	122	15.82	187	18.261	139	35.08	280	20.86	18	62.17	309
11	32.486	157	22.41	14	45.385	163	13.95	155	18.400	210	32.28	250	21.04	31	59.08	281
21	32.643	190	22.27	16	45.548	205	12.40	114	18.610	277	29.78	210	21.35	43	56.27	244
31	32.833	221	22.43	48	45.753	242	11.26	71	18.887	337	27.68	162	21.78	53	53.83	196
Apr. 10	33.054	250	22.91	80	45.995	277	10.55	23	19.224	389	26.06	107	22.31	62	51.87	143
20	33.304	275	23.71	111	46.272	305	10.32	26	19.613	429	24.99	49	22.93	67	50.44	85
30	33.579	294	24.82	139	46.577	326	10.58	75	20.042	457	24.50	9	23.60	72	49.59	23
Mai 10	33.873	308	26.21	164	46.903	339	11.33	122	20.499	473	24.59	69	24.32	74	49.36	38
20	34.181	314	27.85	183	47.242	344	12.55	164	20.972	476	25.28	125	25.06	74	49.74	97
30	34.495	314	29.68	197	47.586	340	14.19	202	21.448	462	26.53	178	25.80	72	50.71	154
Juni 9	34.809	305	31.65	207	47.926	327	16.21	234	21.910	439	28.31	224	26.52	67	52.25	206
19	35.114	288	33.72	210	48.253	305	18.55	260	22.349	403	30.55	266	27.19	60	54.31	252
29	35.402	264	35.82	208	48.558	275	21.15	278	22.752	356	33.21	300	27.79	52	56.83	292
Juli 9	35.666	233	37.90	202	48.833	240	23.93	290	23.108	301	36.21	325	28.31	43	59.75	323
19	35.899	198	39.92	189	49.073	198	26.83	295	23.409	239	39.46	344	28.74	33	62.98	347
29	36.097	158	41.81	174	49.271	152	29.78	294	23.648	171	42.90	356	29.07	22	66.45	365
Aug. 8	36.255	116	43.55	156	49.423	104	32.72	285	23.819	102	46.46	358	29.29	11	70.10	372
18	36.371	72	45.11	135	49.527	56	35.57	272	23.921	31	50.04	353	29.40	1	73.82	373
27	[23] 36.443	29	46.46	112	[23] 49.583	8	38.29	254	[24] 23.952	38	53.57	342	[24] 29.39	12	77.55	366
Sept. 6	36.472	10	47.58	90	49.591	35	40.83	230	23.914	102	56.99	322	29.27	23	81.21	351
16	36.462	46	48.48	66	49.556	76	43.13	202	23.812	162	60.21	297	29.04	33	84.72	329
26	36.416	76	49.14	44	49.480	109	45.15	171	23.650	215	63.18	265	28.71	42	88.01	299
Okt. 6	36.340	100	49.58	21	49.371	137	46.86	137	23.435	259	65.83	227	28.29	50	91.00	263
16	36.240	116	49.79	1	49.234	157	48.23	100	23.176	295	68.10	184	27.79	57	93.63	220
26	36.124	126	49.80	18	49.077	170	49.23	61	22.881	321	69.94	136	27.22	61	95.83	172
Nov. 5	35.998	128	49.62	37	48.907	176	49.84	21	22.560	336	71.30	85	26.61	65	97.55	118
15	35.870	125	49.25	54	48.731	175	50.05	20	22.224	343	72.15	29	25.96	67	98.73	60
25	35.745	115	48.71	69	48.556	167	49.85	61	21.881	338	72.44	26	25.29	66	99.33	1
Dez. 5	35.630	101	48.02	83	48.389	154	49.24	101	21.543	324	72.18	83	24.63	65	99.34	60
15	35.529	83	47.19	94	48.235	136	48.23	138	21.219	299	71.35	137	23.98	61	98.74	120
25	35.446	62	46.25	102	48.099	112	46.85	170	20.920	265	69.98	186	23.37	55	97.54	175
35	35.384		45.23		47.987		45.15		20.655		68.12		22.82		95.79	
Mittl. Ort	34.078		34.69		47.258		27.58		21.203		45.09		25.63		70.70	
sec δ, tg δ	1.005		+0.102		1.190		+0.645		1.879		+1.591		3.234		+3.075	

Tag	840) ϑ Aquarii AR.		840) ϑ Aquarii Dekl.		841) α Tucanae AR.		841) α Tucanae Dekl.		842) γ Aquarii AR.		842) γ Aquarii Dekl.		844) 3 Lacertae AR.		844) 3 Lacertae Dekl.	
1928	$22^h\ 13^m$		$-8°\ 8'$		$22^h\ 13^m$		$-60°\ 36'$		$22^h\ 17^m$		$-1°\ 44'$		$22^h\ 20^m$		$+51°\ 51'$	
Jan. 1	0.330 s	48	43.00 ″	49	32.25 s	16	91.21 ″	188	54.504 s	53	71.38 ″	75	41.393 s	201	69.91 ″	201
11	0.282	24	43.49	39	32.09	11	89.33	224	54.451	30	72.13	70	41.192	161	67.90	238
21	0.258	3	43.88	28	31.98	4	87.09	256	54.421	5	72.83	62	41.031	117	65.52	266
31	0.261	31	44.16	14	31.94	2	84.53	280	54.416	23	73.45	51	40.914	65	62.86	283
Feb. 10	0.292	60	44.30	2	31.96	9	81.73	297	54.439	52	73.96	36	40.849	9	60.03	289
20	0.352	91	44.28	22	32.05	15	78.76	309	54.491	82	74.32	17	40.840	51	57.14	282
März 1	0.443	123	44.06	44	32.20	22	75.67	312	54.573	115	74.49	6	40.891	113	54.32	265
11	0.566	155	43.62	66	32.42	27	72.55	310	54.688	148	74.43	30	41.004	173	51.67	237
21	0.721	188	42.96	89	32.69	34	69.45	301	54.836	181	74.13	57	41.177	233	49.30	197
31	0.909	220	42.07	112	33.03	39	66.44	286	55.017	213	73.56	83	41.410	287	47.33	152
Apr. 10	1.129	249	40.95	133	33.42	45	63.58	265	55.230	243	72.73	110	41.697	334	45.81	101
20	1.378	274	39.62	152	33.87	49	60.93	238	55.473	269	71.63	134	42.031	374	44.80	45
30	1.652	296	38.10	166	34.36	52	58.55	207	55.742	291	70.29	155	42.405	403	44.35	13
Mai 10	1.948	311	36.44	178	34.88	55	56.48	170	56.033	306	68.74	173	42.808	420	44.48	68
20	2.259	319	34.66	185	35.43	56	54.78	130	56.339	315	67.01	185	43.228	428	45.16	123
30	2.578	320	32.81	185	35.99	57	53.48	87	56.654	317	65.16	193	43.656	421	46.39	173
Juni 9	2.898	313	30.96	181	36.56	55	52.61	41	56.971	310	63.23	195	44.077	405	48.12	219
19	3.211	299	29.15	173	37.11	53	52.20	6	57.281	296	61.28	192	44.482	377	50.31	258
29	3.510	276	27.42	159	37.64	49	52.26	51	57.577	274	59.36	184	44.859	339	52.89	290
Juli 9	3.786	247	25.83	143	38.13	44	52.77	96	57.851	245	57.52	171	45.198	293	55.79	315
19	4.033	212	24.40	123	38.57	38	53.73	137	58.096	211	55.81	156	45.491	240	58.94	333
29	4.245	171	23.17	100	38.95	30	55.10	173	58.307	171	54.25	136	45.731	183	62.27	342
Aug. 8	4.416	129	22.17	77	39.25	22	56.83	203	58.478	130	52.89	116	45.914	123	65.69	346
18	4.545	86	21.40	54	39.47	14	58.86	226	58.608	87	51.73	92	46.037	61	69.15	340
27	[25] 4.631	41	20.86	31	[25] 39.61	5	61.12	240	[26] 58.695	44	50.81	70	[27] 46.098	1	72.55	329
Sept. 6	4.672	1	20.55	10	39.66	3	63.52	245	58.739	3	50.11	48	46.099	57	75.84	310
16	4.673	37	20.45	9	39.63	11	65.97	240	58.742	33	49.63	26	46.042	110	78.94	286
26	4.636	68	20.54	26	39.52	18	68.37	226	58.709	64	49.37	7	45.932	156	81.80	255
Okt. 6	4.568	93	20.80	38	39.34	24	70.63	202	58.645	90	49.30	11	45.776	196	84.35	219
16	4.475	112	21.18	49	39.10	29	72.65	169	58.555	107	49.41	26	45.580	229	86.54	178
26	4.363	122	21.67	56	38.81	32	74.34	129	58.448	118	49.67	38	45.351	252	88.32	132
Nov. 5	4.241	125	22.23	61	38.49	33	75.63	83	58.330	123	50.05	50	45.099	268	89.64	83
15	4.116	121	22.84	62	38.16	33	76.46	34	58.207	120	50.55	59	44.831	274	90.47	32
25	3.995	112	23.46	62	37.83	31	76.80	18	58.087	113	51.14	65	44.557	272	90.79	21
Dez. 5	3.883	99	24.08	60	37.52	28	76.62	68	57.974	100	51.79	70	44.285	263	90.58	75
15	3.784	81	24.68	57	37.24	25	75.94	118	57.874	83	52.49	73	44.022	245	89.83	125
25	3.703	59	25.25	51	36.99	19	74.76	164	57.791	64	53.22	74	43.777	216	88.58	173
35	3.644		25.76		36.80		73.12		57.727		53.96		43.561		86.85	
Mittl. Ort	2.149		32.77		35.06		69.59		56.280		62.94		43.510		64.00	
sec δ, tg δ	1.010		−0.143		2.038		−1.776		1.000		−0.031		1.620		+1.274	

Scheinbare Sternörter 1928

Tag	848) 7 Lacertae AR.		848) 7 Lacertae Dekl.		850) η Aquarii AR.		850) η Aquarii Dekl.		852) 10 Lacertae AR.		852) 10 Lacertae Dekl.		855) ζ Pegasi AR.		855) ζ Pegasi Dekl.	
1928	22ʰ 28ᵐ		+49° 54′		22ʰ 31ᵐ		−0° 29′		22ʰ 35ᵐ		+38° 40′		22ʰ 37ᵐ		+10° 27′	
Jan. 1	17.265	192	48.38	192	37.721	63	29.18	77	59.824	138	33.52	175	50.550	75	13.12	111
11	17.073	157	46.46	228	37.658	41	29.95	74	59.686	112	31.77	203	50.475	55	12.01	118
21	16.916	115	44.18	256	37.617	18	30.69	66	59.574	80	29.74	225	50.420	30	10.83	119
31	16.801	68	41.62	274	37.599	9	31.35	56	59.494	44	27.49	238	50.390	4	9.64	113
Feb. 10	16.733	15	38.88	280	37.608	38	31.91	41	59.450	3	25.11	240	50.386	25	8.51	104
20	16.718	42	36.08	275	37.646	68	32.32	22	59.447	42	22.71	232	50.411	56	7.47	87
März 1	16.760	101	33.33	258	37.714	100	32.54	1	59.489	88	20.39	214	50.467	91	6.60	66
11	16.861	159	30.75	231	37.814	134	32.55	25	59.577	136	18.25	187	50.558	126	5.94	39
21	17.020	217	28.44	194	37.948	168	32.30	51	59.713	183	16.38	152	50.684	162	5.55	8
31	17.237	270	26.50	150	38.116	202	31.79	78	59.896	228	14.86	109	50.846	197	5.47	24
Apr. 10	17.507	317	25.00	99	38.318	233	31.01	106	60.124	269	13.77	63	51.043	230	5.71	58
20	17.824	358	24.01	45	38.551	261	29.95	131	60.393	305	13.14	13	51.273	260	6.29	91
30	18.182	387	23.56	11	38.812	285	28.64	153	60.698	332	13.01	38	51.533	284	7.20	123
Mai 10	18.569	407	23.67	66	39.097	303	27.11	172	61.030	353	13.39	87	51.817	303	8.43	152
20	18.976	415	24.33	120	39.400	314	25.39	186	61.383	363	14.26	135	52.120	314	9.95	177
30	19.391	413	25.53	170	39.714	317	23.53	196	61.746	363	15.61	178	52.434	318	11.72	197
Juni 9	19.804	398	27.23	214	40.031	313	21.57	199	62.109	355	17.39	215	52.752	314	13.69	211
19	20.202	374	29.37	253	40.344	301	19.58	197	62.464	337	19.54	248	53.066	302	15.80	219
29	20.576	339	31.90	285	40.645	280	17.61	191	62.801	309	22.02	274	53.368	281	17.99	223
Juli 9	20.915	297	34.75	310	40.925	253	15.70	180	63.110	276	24.76	292	53.649	255	20.22	221
19	21.212	246	37.85	328	41.178	221	13.90	164	63.386	234	27.68	304	53.904	221	22.43	212
29	21.458	192	41.13	338	41.399	183	12.26	146	63.620	189	30.72	309	54.125	184	24.55	201
Aug. 8	21.650	135	44.51	340	41.582	142	10.80	125	63.809	140	33.81	307	54.309	143	26.56	185
18	21.785	75	47.91	337	41.724	99	9.55	102	63.949	90	36.88	300	54.452	101	28.41	166
28	21.860	17	51.28	325	41.823	57	8.53	79	64.039	41	39.88	285	54.553	58	30.07	144
Sept. 6	[29] 21.877	38	54.53	307	[29] 41.880	16	7.74	57	[31] 64.080	7	42.73	266	[31] 54.611	18	31.51	121
16	21.839	90	57.60	283	41.896	21	7.17	35	64.073	51	45.39	242	54.629	19	32.72	98
26	21.749	135	60.43	255	41.875	52	6.82	14	64.022	90	47.81	213	54.610	51	33.70	73
Okt. 6	21.614	175	62.98	219	41.823	79	6.68	5	63.932	122	49.94	180	54.559	78	34.43	49
16	21.439	206	65.17	179	41.744	99	6.73	21	63.810	149	51.74	144	54.481	98	34.92	27
26	21.233	230	66.96	135	41.645	112	6.94	35	63.661	168	53.18	105	54.383	113	35.19	3
Nov. 5	21.003	247	68.31	87	41.533	118	7.29	46	63.493	181	54.23	62	54.270	120	35.22	19
15	20.756	254	69.18	37	41.415	118	7.75	57	63.312	187	54.85	18	54.150	123	35.03	39
25	20.502	254	69.55	15	41.297	113	8.32	65	63.125	187	55.03	26	54.027	119	34.64	59
Dez. 5	20.248	246	69.40	66	41.184	103	8.97	71	62.938	180	54.77	70	53.908	111	34.05	76
15	20.002	231	68.74	117	41.081	90	9.68	74	62.758	167	54.07	112	53.797	99	33.29	92
25	19.771	206	67.57	164	40.991	71	10.42	75	62.591	149	52.95	150	53.698	83	32.37	103
35	19.565		65.93		40.920		11.17		62.442		51.45		53.615		31.34	
Mittl. Ort	19.297		42.63		39.425		21.03		61.651		30.20		52.223		17.91	
sec δ, tg δ	1.553		+1.188		1.000		−0.009		1.281		+0.800		1.017		+0.184	

Tag	856) β Gruis AR.		856) β Gruis Dekl.		857) η Pegasi AR.		857) η Pegasi Dekl.		859) λ Pegasi AR.		859) λ Pegasi Dekl.		860) ε Gruis AR.		860) ε Gruis Dekl.	
1928	22h 38m		−47° 15′		22h 39m		+29° 50′		22h 43m		+23° 10′		22h 44m		−51° 41′	
	s		″		s		″		s		″		s		″	
Jan. 1	20.417	120	63.43	115	35.737	112	39.83	158	1.975	97	69.75	142	10.717	148	67.41	129
11	20.297	85	62.28	151	35.625	88	38.25	180	1.878	77	68.33	159	10.569	109	66.12	167
21	20.212	46	60.77	184	35.537	61	36.45	196	1.801	51	66.74	170	10.460	66	64.45	203
31	20.166	5	58.93	212	35.476	29	34.49	203	1.750	23	65.04	174	10.394	20	62.42	232
Feb. 10	20.161	38	56.81	235	35.447	5	32.46	202	1.727	10	63.30	170	10.374	27	60.10	257
20	20.199	84	54.46	254	35.452	44	30.44	192	1.737	44	61.60	157	10.401	76	57.53	275
März 1	20.283	130	51.92	267	35.496	85	28.52	172	1.781	82	60.03	137	10.477	127	54.78	288
11	20.413	176	49.25	275	35.581	127	26.80	146	1.863	122	58.66	111	10.604	179	51.90	296
21	20.589	223	46.50	278	35.708	169	25.34	111	1.985	161	57.55	78	10.783	230	48.94	296
31	20.812	268	43.72	276	35.877	209	24.23	71	2.146	200	56.77	41	11.013	279	45.98	292
Apr. 10	21.080	310	40.96	267	36.086	248	23.52	28	2.346	235	56.36	0	11.292	325	43.06	282
20	21.390	350	38.29	253	36.334	281	23.24	17	2.581	268	56.36	42	11.617	369	40.24	263
30	21.740	382	35.76	234	36.615	307	23.41	63	2.849	295	56.78	82	11.986	405	37.61	242
Mai 10	22.122	407	33.42	208	36.922	327	24.04	107	3.144	314	57.60	122	12.391	434	35.19	214
20	22.529	426	31.34	180	37.249	339	25.11	148	3.458	326	58.82	157	12.825	454	33.05	180
30	22.955	433	29.54	145	37.588	341	26.59	184	3.784	330	60.39	189	13.279	464	31.25	144
Juni 9	23.388	431	28.09	107	37.929	335	28.43	217	4.114	325	62.28	215	13.743	463	29.81	103
19	23.819	418	27.02	67	38.264	319	30.60	242	4.439	312	64.43	235	14.206	451	28.78	59
29	24.237	394	26.35	25	38.583	296	33.02	261	4.751	291	66.78	250	14.657	427	28.19	14
Juli 9	24.631	361	26.10	17	38.879	265	35.63	274	5.042	262	69.28	257	15.084	391	28.05	29
19	24.992	317	26.27	58	39.144	229	38.37	280	5.304	228	71.85	259	15.475	346	28.34	73
29	25.309	266	26.85	97	39.373	187	41.17	280	5.532	188	74.44	256	15.821	293	29.07	114
Aug. 8	25.575	210	27.82	131	39.560	143	43.97	275	5.720	146	77.00	246	16.114	231	30.21	149
18	25.785	148	29.13	160	39.703	96	46.72	263	5.866	102	79.46	232	16.345	166	31.70	179
28	25.933	86	30.73	183	39.799	51	49.35	247	5.968	59	81.78	215	16.511	97	33.49	202
Sept. 6	26.019	24	32.56	198	39.850	8	51.82	226	6.027	16	83.93	192	16.608	30	35.51	217
16	26.043	35	34.54	204	39.858	33	54.08	202	6.043	22	85.85	169	16.638	34	37.68	223
26	26.008	87	36.58	203	39.825	69	56.10	173	6.021	56	87.54	142	16.604	93	39.91	220
Okt. 6	25.921	132	38.61	192	39.756	99	57.83	143	5.965	86	88.96	113	16.511	144	42.11	207
16	25.789	168	40.53	172	39.657	122	59.26	111	5.879	107	90.09	84	16.367	185	44.18	186
26	25.621	193	42.25	145	39.535	140	60.37	75	5.772	125	90.93	52	16.182	214	46.04	156
Nov. 5	25.428	207	43.70	114	39.395	151	61.12	38	5.647	134	91.45	20	15.968	232	47.60	119
15	25.221	210	44.84	75	39.244	155	61.50	1	5.513	138	91.65	11	15.736	239	48.79	78
25	25.011	205	45.59	34	39.089	154	61.51	37	5.375	138	91.54	43	15.497	235	49.57	34
Dez. 5	24.806	189	45.93	9	38.935	148	61.14	73	5.237	131	91.11	74	15.262	219	49.91	13
15	24.617	167	45.84	51	38.787	137	60.41	107	5.106	120	90.37	102	15.043	197	49.78	59
25	24.450	139	45.33	92	38.650	120	59.34	139	4.986	105	89.35	126	14.846	167	49.19	105
35	24.311		44.41		38.530		57.95		4.881		88.09		14.679		48.14	
Mittl. Ort	22.465		42.81		37.472		38.82		3.658		70.61		12.806		45.77	
sec δ, tg δ	1.474		−1.082		1.153		+0.574		1.088		+0.428		1.613		−1.266	

Tag		863) ι Cephei				864) λ Aquarii				865) ρ Indi				866) δ Aquarii			
		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1928		22h 47m		+65° 48′		22h 48m		−7° 57′		22h 49m		−70° 27′		22h 50m		−16° 12′	
Jan.	1	4.26	40	86.40	167	49.934	71	58.02	48	37.49	37	56.36	195	48.218	75	27.95	17
	11	3.86	35	84.73	216	49.863	52	58.50	35	37.12	29	54.41	238	48.143	53	28.12	1
	21	3.51	28	82.57	255	49.811	29	58.85	28	36.83	21	52.03	278	48.090	31	28.13	18
	31	3.23	20	80.02	286	49.782	4	59.13	10	36.62	12	49.25	310	48.059	5	27.95	37
Feb.	10	3.03	12	77.16	304	49.778	23	59.23	8	36.50	2	46.15	333	48.054	23	27.58	58
	20	2.91	3	74.12	309	49.801	53	59.15	27	36.48	7	42.82	348	48.077	54	27.00	78
März	1	2.88	7	71.03	303	49.854	85	58.88	48	36.55	18	39.34	356	48.131	87	26.22	99
	11	2.95	17	68.00	283	49.939	119	58.40	71	36.73	27	35.78	356	48.218	121	25.23	120
	21	3.12	26	65.17	254	50.058	155	57.69	95	37.00	36	32.22	346	48.339	157	24.03	140
	31	3.38	35	62.63	213	50.213	189	56.74	118	37.36	45	28.76	332	48.496	192	22.63	159
Apr.	10	3.73	43	60.50	165	50.402	223	55.56	140	37.81	53	25.44	310	48.688	226	21.04	175
	20	4.16	49	58.85	111	50.625	253	54.16	159	38.34	61	22.34	281	48.914	258	19.29	188
	30	4.65	54	57.74	54	50.878	280	52.57	175	38.95	66	19.53	247	49.172	285	17.41	196
Mai	10	5.19	58	57.20	5	51.158	300	50.82	187	39.61	72	17.06	206	49.457	307	15.45	200
	20	5.77	59	57.25	65	51.458	315	48.95	194	40.33	76	15.00	162	49.764	322	13.45	199
	30	6.36	59	57.90	121	51.773	321	47.01	197	41.09	77	13.38	113	50.086	330	11.46	194
Juni	9	6.95	57	59.11	174	52.094	320	45.04	193	41.86	77	12.25	63	50.416	329	9.52	182
	19	7.52	54	60.85	222	52.414	311	43.11	185	42.63	75	11.62	11	50.745	321	7.70	167
	29	8.06	49	63.07	264	52.725	294	41.26	172	43.38	71	11.51	42	51.066	304	6.03	146
Juli	9	8.55	43	65.71	300	53.019	269	39.54	155	44.09	66	11.93	93	51.370	279	4.57	123
	19	8.98	36	68.71	329	53.288	238	37.99	135	44.75	58	12.86	140	51.649	248	3.34	97
	29	9.34	28	72.00	350	53.526	202	36.64	112	45.33	49	14.26	183	51.897	210	2.37	70
Aug.	8	9.62	20	75.50	363	53.728	162	35.52	87	45.82	38	16.09	219	52.107	170	1.67	41
	18	9.82	12	79.13	369	53.890	119	34.65	62	46.20	27	18.28	249	52.277	126	1.26	14
	28	9.94	3	82.82	367	54.009	76	34.03	37	46.47	14	20.77	269	52.403	82	1.12	13
Sept.	6	9.97	6	86.49	357	54.085	35	33.66	14	46.61	3	23.46	278	52.485	39	1.25	35
	16	9.91	14	90.06	341	54.120	3	33.52	7	46.64	10	26.24	278	52.524	2	1.60	54
	26	9.77	21	93.47	316	54.117	37	33.59	26	46.54	21	29.02	266	52.522	37	2.14	69
Okt.	6	9.56	27	96.63	285	54.080	66	33.85	40	46.33	31	31.68	243	52.485	67	2.83	80
	16	9.29	33	99.48	248	54.014	88	34.25	52	46.02	39	34.11	210	52.418	91	3.63	86
	26	8.96	38	101.96	203	53.926	103	34.77	60	45.63	46	36.21	168	52.327	108	4.49	87
Nov.	5	8.58	42	103.99	155	53.823	113	35.37	65	45.17	51	37.89	119	52.219	117	5.36	84
	15	8.16	45	105.54	100	53.710	115	36.02	67	44.66	52	39.08	64	52.102	121	6.20	78
	25	7.71	46	106.54	43	53.595	113	36.69	66	44.14	53	39.72	6	51.981	119	6.98	67
Dez.	5	7.25	45	106.97	16	53.482	106	37.35	63	43.61	50	39.78	53	51.862	111	7.65	55
	15	6.80	45	106.81	76	53.376	94	37.98	59	43.11	46	39.25	110	51.751	98	8.20	42
	25	6.35	42	106.05	132	53.282	79	38.57	51	42.65	41	38.15	165	51.653	83	8.62	26
	35	5.93		104.73		53.203		39.08		42.24		36.50		51.570		8.88	
Mittl. Ort		6.70		77.09		51.560		47.45		40.41		32.07		49.856		14.84	
sec δ, tg δ		2.441		+2.227		1.010		−0.140		2.990		−2.818		1.041		−0.291	

Tag	867) α Pisc. austr. AR.	Δ	Dekl.	Δ	869) ο Andromedae AR.	Δ	Dekl.	Δ	870) β Pegasi AR.	Δ	Dekl.	Δ	871) α Pegasi AR.	Δ	Dekl.	Δ
1928	22ʰ 53ᵐ		−30° 0′		22ʰ 58ᵐ		+41° 56′		23ʰ 0ᵐ		+27° 41′		23ʰ 1ᵐ		+14° 48′	
Jan. 1	38ˢ.826	89	32″.17	34	34ˢ.515	166	23″.55	157	15ˢ.247	115	31″.46	138	8ˢ.795	92	59″.69	113
11	38.737	65	31.83	63	34.349	142	21.98	190	15.132	97	30.08	160	8.703	75	58.56	124
21	38.672	40	31.20	90	34.207	113	20.08	216	15.035	74	28.48	176	8.628	54	57.32	129
31	38.632	10	30.30	116	34.094	77	17.92	234	14.961	46	26.72	184	8.574	30	56.03	128
Feb. 10	38.622	22	29.14	139	34.017	36	15.58	243	14.915	13	24.88	184	8.544	1	54.75	121
20	38.644	55	27.75	161	33.981	10	13.15	240	14.902	23	23.04	177	8.543	31	53.54	108
März 1	38.699	91	26.14	181	33.991	59	10.75	227	14.925	63	21.27	160	8.574	65	52.46	89
11	38.790	129	24.33	198	34.050	111	8.48	205	14.988	104	19.67	135	8.639	103	51.57	64
21	38.919	168	22.35	212	34.161	162	6.43	173	15.092	147	18.32	104	8.742	140	50.93	35
31	39.087	206	20.23	221	34.323	212	4.70	134	15.239	188	17.28	67	8.882	179	50.58	1
Apr. 10	39.293	243	18.02	228	34.535	259	3.36	90	15.427	229	16.61	27	9.061	215	50.57	34
20	39.536	276	15.74	230	34.794	300	2.46	41	15.656	264	16.34	16	9.276	248	50.91	69
30	39.812	307	13.44	225	35.094	333	2.05	10	15.920	294	16.50	59	9.524	277	51.60	103
Mai 10	40.119	332	11.19	217	35.427	358	2.15	60	16.214	317	17.09	101	9.801	299	52.63	136
20	40.451	348	9.02	203	35.785	374	2.75	109	16.531	333	18.10	140	10.100	314	53.99	165
30	40.799	358	6.99	184	36.159	380	3.84	155	16.864	339	19.50	176	10.414	321	55.64	189
Juni 9	41.157	358	5.15	160	36.539	375	5.39	196	17.203	336	21.26	206	10.735	321	57.53	209
19	41.515	350	3.55	132	36.914	360	7.35	233	17.539	326	23.32	231	11.056	312	59.62	221
29	41.865	333	2.23	101	37.274	336	9.68	262	17.865	307	25.63	251	11.368	295	61.83	230
Juli 9	42.198	307	1.22	68	37.610	304	12.30	285	18.172	279	28.14	263	11.663	270	64.13	233
19	42.505	274	0.54	33	37.914	264	15.15	302	18.451	246	30.77	270	11.933	240	66.46	229
29	42.779	234	0.21	2	38.178	220	18.17	312	18.697	207	33.47	270	12.173	204	68.75	220
Aug. 8	43.013	189	0.23	34	38.398	171	21.29	315	18.904	165	36.17	265	12.377	164	70.95	208
18	43.202	142	0.57	65	38.569	121	24.44	311	19.069	121	38.82	254	12.541	123	73.03	191
28	43.344	93	1.22	92	38.690	70	27.55	301	19.190	77	41.36	240	12.664	81	74.94	172
Sept. 6	43.437	44	2.14	114	38.760	21	30.56	286	19.267	34	43.76	220	12.745	40	76.66	150
16	43.481	1	3.28	129	38.781	26	33.42	264	19.301	6	45.96	197	12.785	3	78.16	126
26	43.480	42	4.57	139	38.755	67	36.06	239	19.295	43	47.93	171	12.788	32	79.42	102
Okt. 6	43.438	77	5.96	141	38.688	105	38.45	208	19.252	74	49.64	143	12.756	60	80.44	77
16	43.361	105	7.37	137	38.583	135	40.53	173	19.178	99	51.07	112	12.696	83	81.21	51
26	43.256	125	8.74	127	38.448	160	42.26	135	19.079	119	52.19	79	12.613	101	81.72	27
Nov. 5	43.131	138	10.01	110	38.288	178	43.61	93	18.960	133	52.98	46	12.512	113	81.99	2
15	42.993	142	11.11	90	38.110	190	44.54	49	18.827	141	53.44	11	12.399	120	82.01	22
25	42.851	140	12.01	65	37.920	195	45.03	3	18.686	143	53.55	24	12.279	120	81.79	45
Dez. 5	42.711	131	12.66	38	37.725	194	45.06	43	18.543	141	53.31	58	12.159	117	81.34	67
15	42.580	118	13.04	10	37.531	187	44.63	88	18.402	134	52.73	90	12.042	110	80.67	86
25	42.462	99	13.14	18	37.344	174	43.75	131	18.268	123	51.83	120	11.932	98	79.81	102
35	42.363		12.96		37.170		42.44		18.145		50.63		11.834		78.79	
Mittl. Ort	40.522		15.10		36.258		18.85		16.867		30.72		10.360		62.95	
sec δ, tg δ	1.155		−0.578		1.344		+0.898		1.129		+0.525		1.034		+0.264	

Tag	872) ϑ Gruis AR.		872) Dekl.		874) π Cephei AR.		874) Dekl.		873) c^2 Aquarii AR.		873) Dekl.		875) Br. 3077 AR.		875) Dekl.	
1928	$23^h\ 2^m$		$-43°\ 54'$		$23^h\ 5^m$		$+74°\ 59'$		$23^h\ 5^m$		$-21°\ 33'$		$23^h\ 9^m$		$+56°\ 45'$	
Jan. 1	$47^s.963$	132	$56''.09$	84	$33^s.12$	73	$64''.31$	132	$35^s.028$	87	$63''.68$	1	$46^s.580$	272	$82''.36$	144
11	47.831	104	55.25	122	32.39	65	62.99	186	34.941	68	63.69	21	46.308	242	80.92	190
21	47.727	71	54.03	157	31.74	55	61.13	233	34.873	45	63.48	44	46.066	203	79.02	228
31	47.656	36	52.46	189	31.19	44	58.80	272	34.828	21	63.04	68	45.863	153	76.74	258
Feb. 10	47.620	3	50.57	215	30.75	30	56.08	299	34.807	8	62.36	90	45.710	95	74.16	275
20	47.623	44	48.42	238	30.45	15	53.09	313	34.815	39	61.46	112	45.615	31	71.41	283
März 1	47.667	87	46.04	257	30.30	0	49.96	315	34.854	73	60.34	135	45.584	40	68.58	278
11	47.754	132	43.47	269	30.30	16	46.81	304	34.927	108	58.99	154	45.624	112	65.80	262
21	47.886	178	40.78	277	30.46	32	43.77	282	35.035	145	57.45	172	45.736	184	63.18	234
31	48.064	223	38.01	280	30.78	46	40.95	247	35.180	183	55.73	189	45.920	254	60.84	198
Apr. 10	48.287	267	35.21	276	31.24	59	38.48	203	35.363	219	53.84	201	46.174	318	58.86	154
20	48.554	308	32.45	268	31.83	70	36.45	154	35.582	253	51.83	211	46.492	374	57.32	103
30	48.862	343	29.77	254	32.53	78	34.91	98	35.835	283	49.72	216	46.866	419	56.29	49
Mai 10	49.205	373	27.23	233	33.31	84	33.93	39	36.118	308	47.56	215	47.285	453	55.80	6
20	49.578	396	24.90	207	34.15	88	33.54	20	36.426	326	45.41	209	47.738	475	55.86	62
30	49.974	408	22.83	176	35.03	88	33.74	78	36.752	337	43.32	198	48.213	482	56.48	116
Juni 9	50.382	411	21.07	141	35.91	86	34.52	135	37.089	339	41.34	183	48.695	477	57.64	166
19	50.793	405	19.66	102	36.77	82	35.87	188	37.428	333	39.51	162	49.172	459	59.30	212
29	51.198	386	18.64	61	37.59	75	37.75	235	37.761	318	37.89	137	49.631	429	61.42	252
Juli 9	51.584	360	18.03	19	38.34	66	40.10	276	38.079	295	36.52	110	50.060	387	63.94	287
19	51.944	323	17.84	23	39.00	57	42.86	312	38.374	266	35.42	79	50.447	340	66.81	313
29	52.267	279	18.07	64	39.57	46	45.98	340	38.640	229	34.63	48	50.787	283	69.94	333
Aug. 8	52.546	227	18.71	102	40.03	33	49.38	361	38.869	189	34.15	17	51.070	222	73.27	347
18	52.773	172	19.73	135	40.36	21	52.99	374	39.058	145	33.98	13	51.292	159	76.74	351
28	52.945	114	21.08	163	40.57	8	56.73	379	39.203	99	34.11	41	51.451	93	80.25	350
Sept. 6*)	6 53.059	56	22.71	183	40.65	5	60.52	376	39.302	55	34.52	65	51.544	29	83.75	342
16	53.115	0	24.54	196	7 40.60	17	64.28	367	7 39.357	13	35.17	85	8 51.573	32	87.17	325
26	53.115	51	26.50	200	40.43	29	67.95	348	39.370	25	36.02	100	51.541	89	90.42	304
Okt. 6	53.064	96	28.50	196	40.14	41	71.43	323	39.345	58	37.02	108	51.452	141	93.46	275
16	52.968	133	30.46	183	39.73	51	74.66	290	39.287	85	38.10	111	51.311	186	96.21	240
26	52.835	161	32.29	161	39.22	60	77.56	249	39.202	105	39.21	108	51.125	225	98.61	200
Nov. 5	52.674	179	33.90	134	38.62	67	80.05	203	39.097	117	40.29	102	50.900	255	100.61	154
15	52.495	188	35.24	99	37.95	72	82.08	149	38.980	123	41.31	89	50.645	279	102.15	105
25	52.307	189	36.23	62	37.23	77	83.57	92	38.857	124	42.20	73	50.366	293	103.20	52
Dez. 5	52.118	181	36.85	22	36.46	79	84.49	31	38.733	119	42.93	56	50.073	299	103.72	3
15	51.937	166	37.07	20	35.67	78	84.80	31	38.614	108	43.49	35	49.774	295	103.69	57
25	51.771	145	36.87	62	34.89	74	84.49	93	38.506	95	43.84	13	49.479	281	103.12	111
35	51.626		36.25		34.15		83.56		38.411		43.97		49.198		102.01	
Mittl. Ort	49.721		35.43		36.14		53.16		36.593		48.78		48.507		73.93	
sec δ, tg δ	1.388		−0.963		3.863		+3.732		1.075		−0.395		1.825		+1.526	

*) Bei Stern 874), 873) und 875) lies Sept. 7

Tag	877) γ Tucanae AR.		877) γ Tucanae Dekl.		879) γ Sculptoris AR.		879) γ Sculptoris Dekl.		880) τ Pegasi AR.		880) τ Pegasi Dekl.	
1928	23h 13m		−58° 37′		23h 14m		−32° 55′		23h 17m		+23° 20′	
Jan. 1	12.295	231	74.42	129	54.842	110	46.67	35	2.724	114	44.84	121
11	12.064	191	73.13	176	54.732	89	46.32	68	2.610	98	43.63	139
21	11.873	145	71.37	218	54.643	64	45.64	99	2.512	79	42.24	152
31	11.728	94	69.19	254	54.579	37	44.65	127	2.433	54	40.72	159
Feb. 10	11.634	40	66.65	282	54.542	6	43.38	155	2.379	25	39.13	159
20	11.594	19	63.83	305	54.536	28	41.83	179	2.354	8	37.54	150
März 1	11.613	79	60.78	321	54.564	65	40.04	200	2.362	46	36.04	135
11	11.692	141	57.57	332	54.629	104	38.04	218	2.408	86	34.69	112
21	11.833	205	54.25	333	54.733	145	35.86	233	2.494	127	33.57	84
31	12.038	266	50.92	328	54.878	186	33.53	243	2.621	169	32.73	50
Apr. 10	12.304	325	47.64	317	55.064	226	31.10	249	2.790	209	32.23	12
20	12.629	381	44.47	299	55.290	264	28.61	250	2.999	245	32.11	27
30	13.010	429	41.48	274	55.554	298	26.11	245	3.244	278	32.38	66
Mai 10	13.439	470	38.74	244	55.852	325	23.66	235	3.522	304	33.04	105
20	13.909	502	36.30	208	56.177	348	21.31	219	3.826	321	34.09	140
30	14.411	522	34.22	166	56.525	361	19.12	198	4.147	331	35.49	173
Juni 9	14.933	529	32.56	122	56.886	366	17.14	172	4.478	333	37.22	200
19	15.462	524	31.34	74	57.252	361	15.42	142	4.811	325	39.22	222
29	15.986	504	30.60	25	57.613	348	14.00	108	5.136	309	41.44	238
Juli 9	16.490	473	30.35	25	57.961	326	12.92	72	5.445	286	43.82	249
19	16.963	428	30.60	74	58.287	296	12.20	34	5.731	255	46.31	253
29	17.391	372	31.34	120	58.583	257	11.86	4	5.986	220	48.84	252
Aug. 8	17.763	306	32.54	160	58.840	214	11.90	40	6.206	181	51.36	245
18	18.069	233	34.14	196	59.054	167	12.30	74	6.387	139	53.81	234
28	18.302	155	36.10	224	59.221	117	13.04	103	6.526	96	56.15	218
Sept. 7	18.457	77	38.34	244	59.338	68	14.07	128	6.622	55	58.33	199
16	9 18.534	2	40.78	252	9 59.406	20	15.35	146	10 6.677	16	60.32	177
26	18.532	76	43.30	252	59.426	23	16.81	157	6.693	21	62.09	153
Okt. 6	18.456	141	45.82	241	59.403	62	18.38	161	6.672	52	63.62	125
16	18.315	199	48.23	220	59.341	94	19.99	157	6.620	77	64.87	98
26	18.116	243	50.43	189	59.247	118	21.56	146	6.543	99	65.85	69
Nov. 5	17.873	276	52.32	150	59.129	135	23.02	129	6.444	114	66.54	39
15	17.597	295	53.82	106	58.994	144	24.31	106	6.330	124	66.93	9
25	17.302	301	54.88	56	58.850	147	25.37	79	6.206	129	67.02	22
Dez. 5	17.001	295	55.44	3	58.703	143	26.16	48	6.077	130	66.80	51
15	16.706	278	55.47	50	58.560	133	26.64	17	5.947	126	66.29	79
25	16.428	250	54.97	101	58.427	118	26.81	17	5.821	118	65.50	104
35	16.178		53.96		58.309		26.64		5.703		64.46	
Mittl. Ort	14.206		50.74		56.397		28.42		4.235		45.19	
sec δ, tg δ	1.921		−1.640		1.191		−0.647		1.089		+0.432	

Tag	882) 4 Cassiopeiae AR.		882) Dekl.		884) κ Piscium AR.		884) Dekl.		885) 70 Pegasi AR.		885) Dekl.	
1928	23ʰ 21ᵐ		+61° 52′		23ʰ 23ᵐ		+0° 51′		23ʰ 25ᵐ		+12° 21′	
Jan. 1	35.88	35	83.99	127	13.051	89	32.56	72	29.262	100	43.15	97
11	35.53	32	82.72	176	12.962	77	31.84	70	29.162	86	42.18	106
21	35.21	28	80.96	220	12.885	59	31.14	63	29.076	69	41.12	109
31	34.93	22	78.76	254	12.826	38	30.51	53	29.007	48	40.03	108
Feb. 10	34.71	16	76.22	278	12.788	13	29.98	40	28.959	22	38.95	101
20	34.55	8	73.44	290	12.775	15	29.58	23	28.937	7	37.94	89
März 1	34.47	0	70.54	290	12.790	47	29.35	3	28.944	41	37.05	72
11	34.47	9	67.64	279	12.837	82	29.32	21	28.985	78	36.33	48
21	34.56	18	64.85	255	12.919	119	29.53	47	29.063	116	35.85	21
31	34.74	26	62.30	222	13.038	156	30.00	74	29.179	156	35.64	9
Apr. 10	35.00	33	60.08	181	13.194	193	30.74	100	29.335	194	35.73	41
20	35.33	40	58.27	131	13.387	228	31.74	126	29.529	230	36.14	74
30	35.73	45	56.96	78	13.615	259	33.00	151	29.759	262	36.88	107
Mai 10	36.18	50	56.18	22	13.874	284	34.51	170	30.021	287	37.95	137
20	36.68	52	55.96	34	14.158	303	36.21	187	30.308	307	39.32	163
30	37.20	54	56.30	90	14.461	315	38.08	198	30.615	318	40.95	185
Juni 9	37.74	53	57.20	143	14.776	319	40.06	205	30.933	322	42.80	203
19	38.27	52	58.63	192	15.095	315	42.11	206	31.255	317	44.83	216
29	38.79	48	60.55	236	15.410	302	44.17	202	31.572	304	46.99	222
Juli 9	39.27	44	62.91	274	15.712	283	46.19	192	31.876	284	49.21	223
19	39.71	39	65.65	305	15.995	256	48.11	179	32.160	256	51.44	219
29	40.10	33	68.70	330	16.251	223	49.90	161	32.416	224	53.63	210
Aug. 8	40.43	26	72.00	347	16.474	187	51.51	140	32.640	187	55.73	197
18	40.69	19	75.47	358	16.661	148	52.91	118	32.827	147	57.70	180
28	40.88	11	79.05	360	16.809	107	54.09	94	32.974	107	59.50	160
Sept. 7	40.99	4	82.65	356	16.916	67	55.03	70	33.081	67	61.10	138
16	^{11}41.03	3	86.21	343	^{12}16.983	30	55.73	47	^{12}33.148	29	62.48	116
26	41.00	9	89.64	325	17.013	5	56.20	24	33.177	6	63.64	92
Okt. 6	40.91	16	92.89	299	17.008	35	56.44	4	33.171	36	64.56	69
16	40.75	22	95.88	267	16.973	60	56.48	13	33.135	61	65.25	45
26	40.53	26	98.55	227	16.913	80	56.35	29	33.074	81	65.70	22
Nov. 5	40.27	30	100.82	183	16.833	94	56.06	42	32.993	96	65.92	1
15	39.97	33	102.65	133	16.739	103	55.64	52	32.897	106	65.93	21
25	39.64	36	103.98	80	16.636	106	55.12	61	32.791	112	65.72	40
Dez. 5	39.28	37	104.78	23	16.530	106	54.51	66	32.679	113	65.32	58
15	38.91	37	105.01	34	16.424	102	53.85	70	32.566	109	64.74	74
25	38.54	36	104.67	91	16.322	93	53.15	72	32.457	103	64.00	88
35	38.18		103.76		16.229		52.43		32.354		63.12	
Mittl. Ort	37.86		74.26		14.479		40.34		30.694		47.01	
sec δ, tg δ	2.122		+1.872		1.000		+0.015		1.024		+0.219	

Tag	891) ι Andromedae				892) ι Piscium				893) γ Cephei			
	AR.	Δ	Dekl.	Δ	AR.	Δ	Dekl.	Δ	AR.	Δ	Dekl.	Δ
1928	23h 34m		+42° 51′		23h 36m		+5° 13′		23h 36m		+77° 13′	
Jan. 1	34.420	185	75.00	121	13.393	97	62.66	81	19.81	90	62.03	84
11	34.235	170	73.79	157	13.296	85	61.85	82	18.91	84	61.19	143
21	34.065	147	72.22	188	13.211	70	61.03	79	18.07	75	59.76	196
31	33.918	117	70.34	212	13.141	51	60.24	73	17.32	62	57.80	242
Feb. 10	33.801	80	68.22	226	13.090	27	59.51	63	16.70	48	55.38	276
20	33.721	37	65.96	231	13.063	1	58.88	47	16.22	32	52.62	300
März 1	33.684	12	63.65	226	13.064	33	58.41	29	15.90	13	49.62	310
11	33.696	64	61.39	211	13.097	69	58.12	6	15.77	5	46.52	309
21	33.760	119	59.28	185	13.166	106	58.06	20	15.82	24	43.43	294
31	33.879	174	57.43	153	13.272	145	58.26	47	16.06	41	40.49	269
Apr. 10	34.053	226	55.90	114	13.417	183	58.73	76	16.47	58	37.80	233
20	34.279	273	54.76	69	13.600	220	59.49	105	17.05	72	35.47	188
30	34.552	314	54.07	21	13.820	252	60.54	132	17.77	84	33.59	136
Mai 10	34.866	347	53.86	27	14.072	279	61.86	155	18.61	94	32.23	82
20	35.213	371	54.13	75	14.351	301	63.41	176	19.55	99	31.41	24
30	35.584	384	54.88	122	14.652	314	65.17	193	20.54	102	31.17	35
Juni 9	35.968	388	56.10	165	14.966	320	67.10	203	21.56	102	31.52	92
19	36.356	381	57.75	203	15.286	317	69.13	208	22.58	99	32.44	147
29	36.737	364	59.78	237	15.603	306	71.21	209	23.57	94	33.91	198
Juli 9	37.101	337	62.15	263	15.909	289	73.30	205	24.51	85	35.89	244
19	37.438	304	64.78	285	16.198	263	75.35	194	25.36	76	38.33	284
29	37.742	264	67.63	300	16.461	233	77.29	180	26.12	64	41.17	318
Aug. 8	38.006	219	70.63	307	16.694	197	79.09	162	26.76	52	44.35	345
18	38.225	170	73.70	308	16.891	159	80.71	142	27.28	37	47.80	365
28	38.395	122	76.78	304	17.050	119	82.13	120	27.65	23	51.45	378
Sept. 7	38.517	73	79.82	294	17.169	80	83.33	96	27.88	9	55.23	382
16	38.590	25	82.76	277	17.249	43	84.29	73	27.97	7	59.05	378
26	38.615	18	85.53	256	17.292	7	85.02	50	27.90	21	62.83	368
Okt. 6	38.597	59	88.09	230	17.299	23	85.52	28	27.69	34	66.51	349
16	38.538	95	90.39	200	17.276	49	85.80	8	27.35	47	70.00	322
26	38.443	124	92.39	165	17.227	70	85.88	10	26.88	59	73.22	287
Nov. 5	38.319	149	94.04	126	17.157	86	85.78	26	26.29	70	76.09	245
15	38.170	169	95.30	85	17.071	97	85.52	41	25.59	79	78.54	196
25	38.001	182	96.15	41	16.974	103	85.11	52	24.80	86	80.50	141
Dez. 5	37.819	191	96.56	4	16.871	105	84.59	63	23.94	91	81.91	82
15	37.628	192	96.52	49	16.766	104	83.96	71	23.03	92	82.73	20
25	37.436	188	96.03	93	16.662	99	83.25	77	22.11	91	82.93	43
35	37.248		95.10		16.563		82.48		21.20		82.50	
Mittl. Ort	35.966		69.27		14.753		68.89		22.66		49.72	
sec δ, tg δ	1.364		+0.928		1.004		+0.092		4.524		+4.412	

Tag	894) ω² Aquarii AR.		894) Dekl.		895) 41 H. Cephei AR.		895) Dekl.		896) Lac. δ Sculptoris AR.		896) Dekl.	
1928	23ʰ 38ᵐ		−14° 56′		23ʰ 44ᵐ		+67° 24′		23ʰ 45ᵐ		−28° 31′	
Jan. 1	58.061	99	48.37	32	25.35	47	35.37	90	9.381	119	60.23	3
11	57.962	86	48.69	13	24.88	44	34.47	144	9.262	104	60.20	35
21	57.876	70	48.82	7	24.44	40	33.03	194	9.158	86	59.85	67
31	57.806	49	48.75	29	24.04	33	31.09	236	9.072	64	59.18	97
Feb. 10	57.757	26	48.46	50	23.71	26	28.73	267	9.008	38	58.21	125
20	57.731	2	47.96	73	23.45	17	26.06	288	8.970	8	56.96	152
März 1	57.733	34	47.23	97	23.28	6	23.18	296	8.962	27	55.44	176
11	57.767	69	46.26	119	23.22	4	20.22	292	8.989	64	53.68	198
21	57.836	106	45.07	141	23.26	14	17.30	276	9.053	105	51.70	217
31	57.942	145	43.66	162	23.40	25	14.54	250	9.158	146	49.53	232
Apr. 10	58.087	183	42.04	181	23.65	35	12.04	213	9.304	188	47.21	243
20	58.270	220	40.23	196	24.00	44	9.91	168	9.492	227	44.78	250
30	58.490	253	38.27	207	24.44	51	8.23	119	9.719	264	42.28	252
Mai 10	58.743	282	36.20	215	24.95	57	7.04	64	9.983	296	39.76	247
20	59.025	305	34.05	217	25.52	60	6.40	7	10.279	322	37.29	236
30	59.330	321	31.88	213	26.12	64	6.33	49	10.601	340	34.93	221
Juni 9	59.651	328	29.75	204	26.76	64	6.82	104	10.941	351	32.72	200
19	59.979	327	27.71	191	27.40	62	7.86	157	11.292	351	30.72	174
29	60.306	318	25.80	172	28.02	60	9.43	204	11.643	344	28.98	143
Juli 9	60.624	301	24.08	149	28.62	55	11.47	248	11.987	327	27.55	109
19	60.925	277	22.59	123	29.17	50	13.95	285	12.314	303	26.46	73
29	61.202	246	21.36	93	29.67	43	16.80	316	12.617	271	25.73	35
Aug. 8	61.448	210	20.43	64	30.10	35	19.96	340	12.888	233	25.38	3
18	61.658	170	19.79	33	30.45	27	23.36	356	13.121	190	25.41	39
28	61.828	129	19.46	3	30.72	19	26.92	366	13.311	145	25.80	71
Sept. 7	61.957	87	19.43	23	30.91	10	30.58	367	13.456	99	26.51	101
16*)	62.044	47	19.66	48	31.01	2	34.25	362	13.555	54	27.52	124
26	62.091	10	20.14	67	31.03	7	37.87	349	13.609	12	28.76	141
Okt. 6	62.101	24	20.81	82	30.96	15	41.36	329	13.621	26	30.17	151
16	62.077	52	21.63	92	30.81	22	44.65	301	13.595	59	31.68	154
26	62.025	74	22.55	97	30.59	29	47.66	266	13.536	87	33.22	150
Nov. 5	61.951	92	23.52	97	30.30	34	50.32	225	13.449	107	34.72	139
15	61.859	103	24.49	92	29.96	40	52.57	177	13.342	122	36.11	121
25	61.756	109	25.41	84	29.56	44	54.34	124	13.220	129	37.32	99
Dez. 5	61.647	111	26.25	72	29.12	46	55.58	67	13.091	132	38.31	74
15	61.536	108	26.97	58	28.66	47	56.25	8	12.959	130	39.05	44
25	61.428	102	27.55	41	28.19	48	56.33	51	12.829	123	39.49	13
35	61.326		27.96		27.71		55.82		12.706		39.62	
Mittl. Ort	59.393		35.30		27.33		24.13		10.684		42.91	
sec δ, tg δ	1.035		−0.267		2.603		+2.403		1.138		−0.544	

*) Bei Stern 895) und 896) lies Sept. 17

Tag	898) φ Pegasi AR.		898) φ Pegasi Dekl.		902) ω Piscium AR.		902) ω Piscium Dekl.		903) ε Tucanae AR.		903) ε Tucanae Dekl.	
1928	23h 48m		+18° 43′		23h 55m		+6° 27′		23h 56m		−65° 58′	
Jan. 1	48.007	116	11.54	95	35.505	103	47.18	78	9.76	38	65.54	107
11	47.891	107	10.59	110	35.402	96	46.40	79	9.38	35	64.47	161
21	47.784	93	9.49	121	35.306	84	45.61	79	9.03	30	62.86	211
31	47.691	74	8.28	126	35.222	67	44.82	73	8.73	24	60.75	254
Feb. 10	47.617	49	7.02	126	35.155	45	44.09	64	8.49	18	58.21	291
20	47.568	20	5.76	118	35.110	18	43.45	51	8.31	11	55.30	321
März 1	47.548	14	4.58	105	35.092	13	42.94	33	8.20	3	52.09	343
11	47.562	53	3.53	84	35.105	48	42.61	11	8.17	5	48.66	358
21	47.615	93	2.69	60	35.153	86	42.50	13	8.22	13	45.08	364
31	47.708	136	2.09	30	35.239	126	42.63	41	8.35	21	41.44	364
Apr. 10	47.844	178	1.79	3	35.365	166	43.04	69	8.56	30	37.80	355
20	48.022	217	1.82	38	35.531	205	43.73	97	8.86	37	34.25	340
30	48.239	252	2.20	72	35.736	239	44.70	125	9.23	44	30.85	316
Mai 10	48.491	282	2.92	107	35.975	269	45.95	150	9.67	51	27.69	286
20	48.773	306	3.99	138	36.244	294	47.45	171	10.18	56	24.83	250
30	49.079	321	5.37	167	36.538	310	49.16	189	10.74	60	22.33	207
Juni 9	49.400	328	7.04	191	36.848	318	51.05	201	11.34	62	20.26	160
19	49.728	327	8.95	209	37.166	320	53.06	208	11.96	64	18.66	110
29	50.055	317	11.04	222	37.486	312	55.14	211	12.60	63	17.56	56
Juli 9	50.372	299	13.26	231	37.798	296	57.25	207	13.23	61	17.00	1
19	50.671	275	15.57	233	38.094	274	59.32	199	13.84	57	16.99	53
29	50.946	244	17.90	231	38.368	246	61.31	187	14.41	51	17.52	105
Aug. 8	51.190	209	20.21	222	38.614	212	63.18	169	14.92	44	18.57	154
18	51.399	170	22.43	210	38.826	176	64.87	151	15.36	36	20.11	197
28	51.569	130	24.53	194	39.002	138	66.38	128	15.72	28	22.08	232
Sept. 7	51.699	91	26.47	176	39.140	99	67.66	105	16.00	18	24.40	259
17	51.790	53	28.23	154	39.239	62	68.71	82	16.18	7	26.99	277
26	51.843	17	29.77	132	39.301	26	69.53	60	16.25	2	29.76	283
Okt. 6	51.860	16	31.09	107	39.327	4	70.13	37	16.23	11	32.59	278
16	51.844	43	32.16	83	39.323	33	70.50	16	16.12	20	35.37	261
26	51.801	67	32.99	58	39.290	55	70.66	2	15.92	27	37.98	234
Nov. 5	51.734	86	33.57	33	39.235	74	70.64	18	15.65	33	40.32	197
15	51.648	100	33.90	8	39.161	87	70.46	34	15.32	38	42.29	151
25	51.548	110	33.98	17	39.074	97	70.12	47	14.94	40	43.80	99
Dez. 5	51.438	116	33.81	40	38.977	104	69.65	58	14.54	42	44.79	43
15	51.322	118	33.41	62	38.873	105	69.07	66	14.12	42	45.22	15
25	51.204	116	32.79	83	38.768	103	68.41	73	13.70	39	45.07	74
35	51.088		31.96		38.665		67.68		13.31		44.33	
Mittl. Ort	49.330		13.03		36.759		52.84		11.14		40.10	
sec δ, tg δ	1.056		+0.339		1.006		+0.113		2.456		−2.244	

Scheinbare Sternörter 1928

Na) 43 Hev. Cephei $4^m.52$

Tag	Januar AR.	Januar Dekl.	Februar AR.	Februar Dekl.	März AR.	März Dekl.	April AR.	April Dekl.	Mai AR.	Mai Dekl.	Juni AR.	Juni Dekl.
		+		+		+		+		+		+
	$0^h\ 58^m$	$85°\ 52'$	$0^h\ 58^m$	$85°\ 52'$	$0^h\ 58^m$	$85°\ 52'$	$0^h\ 58^m$	$85°\ 52'$	$0^h\ 58^m$	$85°\ 52'$	$0^h\ 58^m$	$85°\ 52'$
	s	"	s	"	s	"	s	"	s	"	s	"
1	32.27	32.88	23.25	32.44	16.49	27.00	13.47	18.06	15.70	9.45	22.47	3.66
2	32.01	32.94	23.00	32.36	16.31	26.78	13.43	17.73	15.85	9.16	22.77	3.54
3	31.76	33.01	22.74	32.28	16.11	26.55	13.40	17.40	16.01	8.88	23.08	3.44
4	31.51	33.10	22.45	32.19	15.91	26.30	13.39	17.06	16.20	8.61	23.39	3.36
5	31.25	33.20	22.15	32.08	15.71	26.03	13.40	16.72	16.40	8.36	23.69	3.30
6	30.98	33.30	21.84	31.95	15.52	25.74	13.43	16.38	16.61	8.12	23.97	3.25
7	30.68	33.39	21.54	31.80	15.34	25.44	13.47	16.05	16.83	7.90	24.23	3.20
8	30.37	33.46	21.24	31.63	15.19	25.13	13.53	15.73	17.04	7.70	24.48	3.15
9	30.04	33.52	20.95	31.44	15.05	24.81	13.61	15.43	17.24	7.51	24.72	3.09
10	29.70	33.56	20.68	31.24	14.93	24.49	13.68	15.14	17.43	7.32	24.96	3.02
11	29.36	33.57	20.43	31.03	14.83	24.18	13.75	14.86	17.61	7.14	25.21	2.93
12	29.02	33.56	20.20	30.83	14.74	23.88	13.82	14.60	17.78	6.96	25.48	2.84
13	28.70	33.53	19.98	30.63	14.65	23.60	13.87	14.34	17.94	6.76	25.77	2.75
14	28.39	33.50	19.77	30.44	14.57	23.33	13.91	14.08	18.10	6.54	26.09	2.67
15	28.10	33.46	19.56	30.26	14.49	23.07	13.94	13.80	18.28	6.32	26.43	2.63
16	27.82	33.42	19.35	30.10	14.39	22.81	13.97	13.51	18.48	6.09	26.77	2.61
17	27.55	33.40	19.13	29.94	14.28	22.55	14.01	13.20	18.71	5.87	27.11	2.62
18	27.29	33.38	18.90	29.78	14.16	22.28	14.07	12.88	18.97	5.66	27.44	2.65
19	27.03	33.37	18.66	29.61	14.03	22.00	14.16	12.56	19.25	5.48	27.75	2.69
20	26.76	33.36	18.40	29.41	13.91	21.69	14.28	12.25	19.53	5.33	28.04	2.74
21	26.47	33.35	18.13	29.19	13.80	21.36	14.42	11.96	19.81	5.19	28.31	2.77
22	26.16	33.34	17.87	28.95	13.72	21.02	14.58	11.68	20.08	5.08	28.57	2.78
23	25.83	33.31	17.63	28.69	13.66	20.67	14.74	11.43	20.32	4.97	28.83	2.78
24	25.49	33.27	17.42	28.42	13.64	20.33	14.89	11.20	20.54	4.86	29.10	2.77
25	25.16	33.20	17.23	28.15	13.63	20.02	15.03	10.98	20.75	4.73	29.38	2.75
26	24.83	33.10	17.07	27.89	13.64	19.72	15.15	10.76	20.96	4.59	29.67	2.73
27	24.52	32.98	16.93	27.65	13.64	19.44	15.26	10.52	21.17	4.43	29.98	2.73
28	24.23	32.86	16.79	27.43	13.64	19.18	15.36	10.27	21.39	4.27	30.30	2.74
29	23.97	32.74	16.65	27.21	13.62	18.92	15.46	10.02	21.63	4.10	30.63	2.77
30	23.73	32.62	16.49	27.00	13.58	18.66	15.57	9.74	21.89	3.94	30.97	2.82
31	23.49	32.52			13.52	18.37	15.70	9.45	22.17	3.79	31.31	2.88
32	23.25	32.44			13.47	18.06			22.47	3.66		

δ	sec δ	tg δ	δ	sec δ	tg δ
+85° 52′ 0″	13.874	+13.838	+85° 52′ 20″	13.893	+13.857
10	13.883	+13.847	30	13.902	+13.866
20	13.893	+13.857	40	13.911	+13.875

$\alpha_{1928.0} = 0^h\ 58^m\ 34^s.49$ $\delta_{1928.0} = +85°\ 52'\ 18''.64$

Na) 43 Hev. Cephei $4^m.52$

Tag	Juli AR.	Juli Dekl.	August AR.	August Dekl.	September AR.	September Dekl.	Oktober AR.	Oktober Dekl.	November AR.	November Dekl.	Dezember AR.	Dezember Dekl.
		+		+		+		+		+		+
	$0^h\,58^m$	$85°\,52'$	$0^h\,58^m$	$85°\,52'$	$0^h\,58^m$	$85°\,52'$	$0^h\,58^m$	$85°\,52'$	$0^h\,58^m$	$85°\,52'$	$0^h\,58^m$	$85°\,52'$
	s	"	s	"	s	"	s	"	s	"	s	"
1	31.31	2.88	40.40	7.30	47.33	15.94	50.91	26.75	50.62	38.98	45.97	48.63
2	31.64	2.96	40.64	7.54	47.48	16.24	51.01	27.11	50.54	39.39	45.71	48.90
3	31.96	3.06	40.86	7.76	47.64	16.53	51.11	27.48	50.44	39.79	45.45	49.15
4	32.25	3.17	41.08	7.98	47.83	16.83	51.21	27.88	50.31	40.18	45.19	49.38
5	32.53	3.27	41.30	8.18	48.04	17.15	51.29	28.30	50.16	40.55	44.93	49.59
6	32.80	3.37	41.54	8.38	48.26	17.49	{51.36 / 51.39	28.73 / 29.17}	50.00	40.89	44.69	49.79
7	33.05	3.46	41.80	8.58	48.47	17.86	51.40	29.60	49.85	41.21	44.46	49.98
8	33.31	3.53	42.08	8.80	48.66	18.25	51.38	30.00	49.71	41.52	44.24	50.18
9	33.59	3.59	42.38	9.03	48.83	18.65	51.35	30.39	49.59	41.83	44.03	50.38
10	33.89	3.65	42.68	9.29	48.97	19.05	51.33	30.76	49.47	42.14	43.82	50.59
11	34.20	3.72	42.97	9.58	49.08	19.44	51.31	31.12	49.36	42.45	43.60	50.81
12	34.53	3.81	43.24	9.89	49.18	19.80	51.31	31.46	49.26	42.76	43.38	51.04
13	34.88	3.92	43.49	10.20	49.27	20.15	51.31	31.81	49.16	43.09	43.15	51.27
14	35.23	4.06	43.72	10.51	49.36	20.48	51.33	32.16	49.05	43.43	42.90	51.49
15	35.56	4.23	43.92	10.81	49.46	20.81	51.35	32.53	48.92	43.78	42.62	51.71
16	35.88	4.42	44.11	11.09	49.58	21.14	51.37	32.91	48.78	44.14	42.32	51.92
17	36.18	4.60	44.30	11.36	49.71	21.48	51.38	33.29	48.61	44.49	42.01	52.10
18	36.45	4.78	44.50	11.61	49.85	21.82	51.39	33.69	48.42	44.83	41.69	52.26
19	36.71	4.95	44.70	11.86	49.99	22.17	51.38	34.10	48.21	45.16	41.39	52.39
20	36.96	5.11	44.92	12.11	50.13	22.54	51.35	34.51	48.00	45.47	41.10	52.51
21	37.21	5.25	45.15	12.38	50.27	22.93	51.30	34.93	47.79	45.75	40.83	52.62
22	37.47	5.38	45.39	12.65	50.39	23.32	51.23	35.33	47.58	46.01	40.59	52.74
23	37.74	5.51	45.64	12.94	50.50	23.72	51.14	35.72	47.39	46.26	40.36	52.87
24	38.03	5.65	45.89	13.24	50.58	24.13	51.04	36.08	47.22	46.52	40.13	53.02
25	38.33	5.80	46.12	13.56	50.64	24.54	50.95	36.44	47.06	46.79	39.90	53.18
26	38.64	5.96	46.34	13.90	50.69	24.94	50.87	36.78	46.91	47.08	39.64	53.35
27	38.95	6.14	46.54	14.25	50.73	25.33	50.80	37.11	46.76	47.38	39.36	53.52
28	39.27	6.34	46.73	14.61	50.76	25.70	50.76	37.45	46.60	47.69	39.05	53.68
29	39.58	6.56	46.89	14.96	50.79	26.05	50.73	37.80	46.41	48.01	38.73	53.81
30	39.87	6.80	47.04	15.30	50.84	26.40	50.70	38.17	46.20	48.33	38.40	53.92
31	40.15	7.05	47.19	15.63	50.91	26.75	50.67	38.57	45.97	48.63	38.07	54.00
32	40.40	7.30	47.33	15.94			50.62	38.98			37.75	54.06

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+85° 52′ 0″	13.874	+13.838	+85° 52′ 20″	13.893	+13.857	+85° 52′ 40″	13.911	+13.875
10	13.883	+13.847	30	13.902	+13.866	50	13.921	+13.885
20	13.893	+13.857	40	13.911	+13.875	60	13.930	+13.894

$a = +7.8$ $b = +0.894$ $a' = +19.4$ $b' = -0.253$

Nb) α Ursae minoris $2^m.12$

Tag	Januar AR.	Januar Dekl.	Februar AR.	Februar Dekl.	März AR.	März Dekl.	April AR.	April Dekl.	Mai AR.	Mai Dekl.	Juni AR.	Juni Dekl.
		+		+		+		+		+		+
	$1^h 35^m$	88° 55′	$1^h 34^m$	88° 55′	$1^h 34^m$	88° 55′	$1^h 34^m$	88° 55′	$1^h 34^m$	88° 54′	$1^h 34^m$	88° 54′
	s	″	s	″	s	″	s	″	s	″	s	″
1	50.79	20.45	75.74	21.84	46.51	17.77	29.61	9.49	32.51	60.51	53.83	53.48
2	49.83	20.55	74.71	21.82	45.67	17.59	29.25	9.18	32.90	60.20	54.86	53.31
3	48.90	20.68	73.61	21.80	44.78	17.40	28.95	8.85	33.36	59.89	55.92	53.15
4	47.98	20.82	72.44	21.77	43.87	17.19	28.71	8.51	33.89	59.58	56.98	53.01
5	47.02	20.97	71.21	21.72	42.95	16.96	28.55	8.17	34.48	59.28	58.01	52.90
6	45.99	21.13	69.95	21.64	42.06	16.71	28.46	7.83	35.11	59.01	59.00	52.79
7	44.87	21.28	68.69	21.55	41.22	16.44	28.45	7.49	35.75	58.75	59.92	52.70
8	43.67	21.43	67.46	21.43	40.45	16.16	28.49	7.16	36.40	58.51	60.79	52.61
9	42.41	21.56	66.28	21.30	39.76	15.87	28.57	6.84	37.02	58.28	61.62	52.51
10	41.12	21.65	65.16	21.15	39.13	15.58	28.66	6.54	37.60	58.07	62.46	52.38
11	39.83	21.72	64.10	20.99	38.56	15.29	28.75	6.26	38.13	57.86	63.32	52.25
12	38.57	21.78	63.10	20.83	38.04	15.01	28.80	5.99	38.61	57.64	64.25	52.11
13	37.34	21.82	62.15	20.68	37.55	14.74	28.80	5.72	39.07	57.41	65.28	51.97
14	36.17	21.85	61.23	20.54	37.07	14.49	28.76	5.45	39.55	57.17	66.41	51.84
15	35.05	21.87	60.32	20.41	36.57	14.25	28.70	5.17	40.08	56.91	67.62	51.72
16	33.97	21.89	59.40	20.29	36.03	14.02	28.63	4.88	40.71	56.64	68.87	51.64
17	32.90	21.92	58.44	20.17	35.43	13.78	28.60	4.56	41.44	56.37	70.11	51.59
18	31.87	21.95	57.43	20.05	34.79	13.53	28.64	4.23	42.28	56.12	71.30	51.56
19	30.82	22.00	56.36	19.93	34.13	13.27	28.80	3.89	43.19	55.89	72.42	51.54
20	29.74	22.05	55.25	19.79	33.48	12.99	29.07	3.56	44.12	55.69	73.47	51.52
21	28.60	22.11	54.12	19.63	32.89	12.69	29.43	3.24	45.04	55.51	74.45	51.50
22	27.40	22.16	53.01	19.44	32.39	12.36	29.84	2.94	45.91	55.35	75.39	51.47
23	26.13	22.21	51.96	19.23	32.00	12.03	30.27	2.66	46.70	55.20	76.33	51.41
24	24.81	22.23	51.00	19.00	31.71	11.71	30.68	2.40	47.42	55.04	77.31	51.34
25	23.47	22.22	50.15	18.77	31.50	11.40	31.03	2.16	48.11	54.88	78.34	51.27
26	22.15	22.18	49.39	18.54	31.33	11.11	31.30	1.91	48.79	54.70	79.43	51.20
27	20.91	22.12	48.68	18.33	31.16	10.84	31.52	1.66	49.48	54.50	80.57	51.14
28	19.76	22.05	47.99	18.13	30.96	10.58	31.73	1.39	50.22	54.30	81.77	51.09
29	18.69	21.98	47.28	17.95	30.69	10.32	31.95	1.11	51.03	54.09	83.01	51.04
30	17.69	21.92	46.51	17.77	30.36	10.06	32.20	0.81	51.90	53.88	84.28	51.02
31	16.72	21.87			29.99	9.79	32.51	0.51	52.83	53.67	85.54	51.03
32	15.74	21.84			29.61	9.49			53.83	53.48		

δ	sec δ	tg δ	δ	sec δ	tg δ
+88° 54′ 50″	52.756	+52.747	+88° 55′ 10″	53.027	+53.018
55 0	52.891	+52.882	20	53.164	+53.155
10	53.027	+53.018	30	53.302	+53.292

$\alpha_{1928.0} = 1^h\ 35^m\ 48^s.14$　　$\delta_{1928.0} = +88°\ 55'\ 6''.05$

Nb) α Ursae minoris 2m.12

Tag	Juli AR.	Juli Dekl.	August AR.	August Dekl.	September AR.	September Dekl.	Oktober AR.	Oktober Dekl.	November AR.	November Dekl.	Dezember AR.	Dezember Dekl.
		+		+		+		+		+		+
	$1^h 35^m$	88° 54′	$1^h 36^m$	88° 54′	$1^h 36^m$	88° 55′	$1^h 36^m$	88° 55′	$1^h 36^m$	88° 55′	$1^h 36^m$	88° 55′
	s	″	s	″	s	″	s	″	s	″	s	″
1	25.54	51.03	1.03	53.68	31.24	0.94	50.54	10.98	56.01	23.26	43.36	33.87
2	26.77	51.05	2.01	53.88	31.98	1.19	51.08	11.32	55.91	23.69	42.53	34.20
3	27.96	51.09	2.95	54.07	32.78	1.44	51.67	11.68	55.71	24.12	41.65	34.50
4	29.09	51.14	3.88	54.24	33.66	1.70	52.24	12.06	55.40	24.53	40.77	34.77
5	30.15	51.19	4.83	54.40	34.61	1.99	52.77	12.47	55.02	24.92	39.92	35.03
6	31.16	51.23	5.84	54.54	35.59	2.29	53.22	12.89	54.63	25.29	39.12	35.27
7	32.14	51.27	6.93	54.68	36.55	2.62	53.56	13.32	54.25	25.64	38.36	35.51
8	33.13	51.30	8.10	54.84	37.46	2.97	53.80	13.74	53.90	25.97	37.64	35.75
9	34.16	51.31	9.33	55.02	38.27	3.33	53.97	14.15	53.60	26.30	36.94	36.00
10	35.27	51.31	10.57	55.23	38.98	3.70	54.09	14.54	53.35	26.63	36.25	36.26
11	36.48	51.32	11.78	55.46	39.60	4.07	54.20	14.91	53.12	26.96	35.54	36.52
12	37.77	51.34	12.93	55.71	40.17	4.42	54.34	15.27	52.90	27.31	34.79	36.80
13	39.11	51.39	13.99	55.98	40.71	4.75	54.51	15.61	52.67	27.67	33.98	37.08
14	40.46	51.47	14.95	56.24	41.26	5.06	54.72	15.96	52.41	28.03	33.10	37.36
15	41.77	51.58	15.84	56.50	41.84	5.37	{54.97 / 55.25	16.31 / 16.67}	52.10	28.41	32.13	37.63
16	43.00	51.70	16.69	56.75	42.46	5.67	55.53	17.04	51.72	28.79	31.09	37.89
17	44.14	51.83	17.53	56.98	43.12	5.97	55.80	17.42	51.27	29.18	30.01	38.14
18	45.21	51.96	18.41	57.19	43.83	6.29	56.04	17.82	50.73	29.56	28.91	38.36
19	46.22	52.08	19.33	57.39	44.57	6.62	56.22	18.23	50.12	29.93	27.82	38.55
20	47.21	52.18	20.29	57.60	45.30	6.96	56.32	18.65	49.46	30.28	26.79	38.73
21	48.21	52.27	21.30	57.82	46.01	7.31	56.34	19.07	48.80	30.61	25.83	38.90
22	49.25	52.35	22.34	58.04	46.68	7.68	56.29	19.49	48.17	30.92	24.95	39.07
23	50.35	52.43	23.41	58.28	47.29	8.06	56.17	19.89	47.59	31.21	24.12	39.25
24	51.50	52.51	24.48	58.53	47.83	8.45	56.02	20.27	47.08	31.50	23.31	39.45
25	52.70	52.61	25.53	58.81	48.29	8.85	55.88	20.64	46.64	31.80	22.47	39.66
26	53.94	52.71	26.54	59.10	48.67	9.24	55.77	21.00	46.23	32.11	21.56	39.89
27	55.19	52.83	27.48	59.41	49.00	9.61	55.73	21.35	45.82	32.44	20.55	40.12
28	56.44	52.97	28.34	59.72	49.32	9.97	55.76	21.70	45.36	32.79	19.45	40.34
29	57.67	53.12	29.12	60.04	49.67	10.32	55.85	22.06	44.80	33.16	18.27	40.53
30	58.86	53.30	29.85	60.35	50.07	10.65	55.95	22.44	44.13	33.52	17.04	40.70
31	59.98	53.49	30.54	60.65	50.54	10.98	56.02	22.84	43.36	33.87	15.80	40.85
32	61.03	53.68	31.24	60.94			56.01	23.26			14.60	40.98

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+88° 54′ 50″	52.756	+52.747	+88° 55′ 10″	53.027	+53.018	+88° 55′ 30″	53.302	+53.292
55 0	52.891	+52.882	20	53.164	+53.155	40	53.440	+53.430
10	53.027	+53.018	30	53.302	+53.292	50	53.578	+53.569

$a = +31.8$ $b = +3.227$ $a' = +18.3$ $b' = -0.406$

Nc) Grb 750 6^m.70

Tag	Januar		Februar		März		April		Mai		Juni	
	AR.	Dekl.	AR.	Dekl.	AR.	Dekl.	AR.	Dekl.	AR.	Dekl.	AR.	Dekl.
		+		+		+		+		+		+
	4^h 13^m	85° 22′	4^h 13^m	85° 22′	4^h 13^m	85° 22′	4^h 13^m	85° 21′	4^h 13^m	85° 21′	4^h 13^m	85° 21′
	s	″	s	″	s	″	s	″	s	″	s	″
1	24.72	0.85	19.44	7.99	12.26	9.97	5.02	66.65	0.97	59.38	1.35	50.43
2	24.61	1.11	19.25	8.15	12.02	9.99	4.80	66.48	0.88	59.07	1.45	50.12
3	24.52	1.37	19.06	8.33	11.76	10.00	4.58	66.29	0.80	58.75	1.57	49.82
4	24.44	1.64	18.84	8.51	11.49	10.00	4.36	66.07	0.74	58.44	1.70	49.54
5	24.37	1.92	18.60	8.68	11.21	9.97	4.15	65.83	0.70	58.12	1.84	49.28
6	24.28	2.22	18.35	8.84	10.92	9.93	3.95	65.59	0.68	57.80	1.98	49.04
7	24.18	2.53	18.08	8.99	10.63	9.88	3.78	65.34	0.67	57.49	2.10	48.81
8	24.05	2.85	17.81	9.11	10.34	9.80	3.62	65.08	0.67	57.20	2.22	48.59
9	23.90	3.16	17.53	9.21	10.07	9.70	3.47	64.83	0.67	56.93	2.33	48.37
10	23.72	3.46	17.25	9.29	9.81	9.59	3.34	64.59	0.67	56.67	2.42	48.14
11	23.53	3.74	16.98	9.35	9.56	9.47	3.21	64.36	0.66	56.42	2.52	47.89
12	23.33	4.01	16.72	9.41	9.32	9.35	3.09	64.15	0.64	56.18	2.62	47.62
13	23.13	4.25	16.47	9.46	9.10	9.23	2.96	63.95	0.62	55.93	2.74	47.34
14	22.94	4.47	16.23	9.51	8.89	9.13	2.81	63.75	0.58	55.66	2.88	47.05
15	22.76	4.67	16.01	9.56	8.68	9.04	2.65	63.55	0.54	55.36	3.04	46.76
16	22.59	4.87	15.80	9.63	8.47	8.96	2.48	63.34	0.52	55.05	3.23	46.49
17	22.43	5.07	15.58	9.71	8.24	8.89	2.31	63.11	0.52	54.73	3.44	46.24
18	22.27	5.28	15.34	9.80	8.00	8.81	2.15	62.85	0.55	54.40	3.65	46.01
19	22.12	5.50	15.09	9.89	7.75	8.73	2.00	62.57	0.60	54.08	3.86	45.80
20	21.96	5.73	14.82	9.98	7.49	8.63	1.88	62.27	0.67	53.76	4.05	45.61
21	21.80	5.97	14.54	10.06	7.22	8.49	1.78	61.97	0.75	53.46	4.22	45.43
22	21.62	6.23	14.24	10.11	6.96	8.33	1.71	61.67	0.83	53.20	4.38	45.24
23	21.42	6.49	13.94	10.12	6.72	8.15	1.65	61.39	0.91	52.95	4.53	45.04
24	21.20	6.73	13.65	10.11	6.51	7.95	1.59	61.13	0.97	52.71	4.68	44.82
25	20.96	6.95	13.38	10.08	6.31	7.75	1.54	60.89	1.01	52.47	4.83	44.60
26	20.72	7.14	13.13	10.04	6.14	7.56	1.47	60.66	1.04	52.22	4.99	44.36
27	20.47	7.31	12.91	10.00	5.98	7.39	1.38	60.43	1.07	51.95	5.16	44.12
28	20.23	7.46	12.70	9.97	5.81	7.24	1.28	60.19	1.10	51.67	5.36	43.87
29	20.01	7.59	12.48	9.96	5.64	7.10	1.18	59.94	1.14	51.37	5.58	43.62
30	19.81	7.71	12.26	9.97	5.45	6.96	1.07	59.67	1.19	51.06	5.81	43.39
31	19.62	7.84			5.24	6.81	0.97	59.38	1.26	50.74	6.05	43.18
32	19.44	7.99			5.02	6.65			1.35	50.43		

δ	sec δ	tg δ	δ	sec δ	tg δ
+85° 21′ 40″	12.365	+12.324	+85° 22′ 0″	12.379	+12.339
50	12.372	+12.332	10	12.387	+12.346
60	12.379	+12.339	20	12.394	+12.354

$\alpha_{1928.0} = 4^h\ 13^m\ 17^s.51$ $\delta_{1928.0} = +85°\ 21'\ 50''.49$

Nc) Grb 750 $6^m.70$

Tag	Juli AR.	Juli Dekl.	August AR.	August Dekl.	September AR.	September Dekl.	Oktober AR.	Oktober Dekl.	November AR.	November Dekl.	Dezember AR.	Dezember Dekl.
		+		+		+		+		+		+
	$4^h\ 13^m$	85° 21′	$4^h\ 13^m$	85° 21′	$4^h\ 13^m$	85° 21′	$4^h\ 13^m$	85° 21′	$4^h\ 13^m$	85° 21′	$4^h\ 13^m$	85° 22′
	s	″	s	″	s	″	s	″	s	″	s	″
1	6.05	43.18	14.10	39.20	23.50	39.60	32.38	44.02	39.74	52.17	43.48	2.75
2	6.29	42.99	14.38	39.19	23.78	39.67	32.66	44.19	39.96	52.49	43.51	3.14
3	6.53	42.82	14.65	39.17	24.06	39.73	32.95	44.36	40.18	52.83	43.52	3.52
4	6.77	42.67	14.91	39.14	24.36	39.78	33.27	44.55	40.37	53.19	43.51	3.88
5	7.00	42.53	15.17	39.09	24.69	39.83	33.59	44.77	40.54	53.56	43.50	4.22
6	7.21	42.39	15.43	39.03	25.03	39.89	33.89	45.01	40.69	53.92	43.49	4.54
7	7.41	42.25	15.70	38.95	25.38	39.98	34.18	45.28	40.81	54.27	43.49	4.85
8	7.60	42.10	16.00	38.87	25.74	40.10	34.45	45.56	40.93	54.61	43.49	5.16
9	7.80	41.92	16.33	38.80	26.09	40.25	34.70	45.85	41.05	54.92	43.51	5.47
10	8.01	41.73	16.67	38.75	26.41	40.41	34.93	46.13	41.17	55.22	43.53	5.78
11	8.24	41.53	17.02	38.73	26.72	40.59	35.14	46.40	41.29	55.51	43.55	6.11
12	8.49	41.33	17.37	38.73	27.01	40.76	35.35	46.65	41.43	55.81	43.57	6.45
13	8.77	41.15	17.71	38.75	27.28	40.91	35.57	46.88	41.58	56.11	43.59	6.80
14	9.07	40.99	18.03	38.79	27.55	41.06	35.80	47.10	41.73	56.41	43.59	7.17
15	9.37	40.85	18.33	38.83	27.81	41.19	36.03	47.32	41.89	56.73	43.58	7.55
16	9.67	40.73	18.61	38.87	28.08	41.31	36.27	47.55	42.05	57.08	43.54	7.93
17	9.96	40.64	18.89	38.90	28.36	41.43	36.52	47.79	42.20	57.45	43.47	8.30
18	10.23	40.56	19.16	38.92	28.66	41.55	36.78	48.04	42.32	57.83	43.39	8.66
19	10.48	40.48	19.44	38.92	28.96	41.67	37.04	48.31	42.43	58.21	43.31	9.00
20	10.72	40.39	19.72	38.91	29.27	41.81	37.30	48.60	42.53	58.59	43.22	9.31
21	10.96	40.28	20.02	38.90	29.60	41.96	37.54	48.91	42.60	58.97	43.14	9.60
22	11.19	40.17	20.33	38.90	29.92	42.13	37.77	49.23	42.65	59.33	43.08	9.87
23	11.43	40.04	20.65	38.90	30.24	42.33	37.99	49.55	42.70	59.67	43.04	10.15
24	11.69	39.90	20.98	38.91	30.55	42.54	38.18	49.88	{42.75 42.82	59.98 60.29}	43.01	10.44
25	11.96	39.76	21.32	38.95	30.84	42.77	38.35	50.20	42.91	60.59	42.99	10.75
26	12.24	39.63	21.67	39.01	31.11	43.00	38.52	50.51	43.01	60.91	42.96	11.08
27	12.54	39.51	22.01	39.08	31.38	43.24	38.69	50.79	43.13	61.24	42.92	11.43
28	12.85	39.41	22.34	39.18	31.63	43.46	38.87	51.06	43.24	61.59	42.85	11.79
29	13.17	39.33	22.66	39.29	31.87	43.66	39.07	51.33	43.35	61.96	42.75	12.15
30	13.49	39.27	22.95	39.40	32.12	43.85	39.28	51.59	43.43	62.35	42.62	12.49
31	13.80	39.22	23.23	39.51	32.38	44.02	39.51	51.87	43.48	62.75	42.49	12.81
32	14.10	39.20	23.50	39.60			39.74	52.17			42.34	13.11

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+85° 21′ 30″	12.357	+12.317	+85° 21′ 50″	12.372	+12.332	+85° 22′ 10″	12.387	+12.346
40	12.365	+12.324	22 0	12.379	+12.339	20	12.394	+12.354
50	12.372	+12.332	10	12.387	+12.346			

$a = +17.8 \qquad b = +0.369 \qquad a' = +9.0 \qquad b' = -0.894$

Nd) 51 Hev. Cephei $5^m.26$

Tag	Januar AR.	Januar Dekl.	Februar AR.	Februar Dekl.	März AR.	März Dekl.	April AR.	April Dekl.	Mai AR.	Mai Dekl.	Juni AR.	Juni Dekl.
	$7^h 7^m$	$+87° 9'$	$7^h 7^m$	$+87° 10'$	$7^h 7^m$	$+87° 10'$	$7^h 7^m$	$+87° 10'$	$7^h 7^m$	$+87° 10'$	$7^h 7^m$	$+87° 9'$
1	41.97	53.06	42.69	3.24	36.14	10.87	24.41	14.64	12.65	12.85	4.44	66.22
2	42.08	53.36	42.63	3.53	35.87	11.09	23.97	14.70	12.25	12.70	4.26	65.91
3	42.20	53.64	42.57	3.83	35.58	11.31	23.52	14.74	11.85	12.54	4.12	65.61
4	42.34	53.92	42.49	4.16	35.26	11.54	23.05	14.77	11.47	12.36	4.01	65.31
5	42.51	54.19	42.37	4.50	34.90	11.77	22.58	14.77	11.12	12.16	3.91	65.02
6	42.69	54.48	42.21	4.84	34.52	11.99	22.12	14.75	10.80	11.96	3.83	64.74
7	42.87	54.79	42.03	5.18	34.12	12.18	21.67	14.72	10.50	11.76	3.76	64.49
8	43.04 / 43.19	55.13 / 55.48	41.83	5.50	33.71	12.36	21.25	14.67	10.22	11.56	3.68	64.24
9	43.31	55.84	41.60	5.80	33.29	12.52	20.84	14.61	9.95	11.37	3.58	64.00
10	43.38	56.20	41.35	6.09	32.88	12.65	20.46	14.56	9.70	11.19	3.46	63.76
11	43.42	56.58	41.09	6.37	32.48	12.77	20.09	14.51	9.45	11.03	3.33	63.50
12	43.44	56.93	40.84	6.62	32.09	12.89	19.74	14.47	9.19	10.87	3.19	63.22
13	43.44	57.27	40.61	6.87	31.72	13.00	19.39	14.45	8.90	10.72	3.05	62.91
14	43.43	57.60	40.38	7.11	31.37	13.11	19.03	14.43	8.59	10.56	2.94	62.58
15	43.42	57.91	40.17	7.35	31.03	13.23	18.65	14.41	8.27	10.38	2.86	62.23
16	43.41	58.21	39.98	7.60	30.70	13.36	18.25	14.40	7.94	10.17	2.82	61.89
17	43.41	58.50	39.79	7.85	30.37	13.50	17.83	14.38	7.63	9.93	2.82	61.55
18	43.43	58.79	39.60	8.12	30.01	13.65	17.39	14.33	7.34	9.67	2.85	61.23
19	43.46	59.09	39.40	8.40	29.63	13.80	16.94	14.24	7.09	9.40	2.89	60.93
20	43.50	59.39	39.16	8.70	29.22	13.95	16.51	14.12	6.87	9.13	2.93	60.65
21	43.53	59.72	38.88	8.99	28.78	14.08	16.10	13.98	6.69	8.86	2.95	60.38
22	43.56	60.07	38.57	9.28	28.32	14.18	15.73	13.84	6.53	8.60	2.94	60.11
23	43.57	60.43	38.24	9.54	27.86	14.24	15.39	13.70	6.38	8.37	2.92	59.84
24	43.53	60.80	37.89	9.77	27.41	14.28	15.09	13.56	6.21	8.16	2.89	59.56
25	43.46	61.17	37.55	9.97	26.99	14.30	14.79	13.44	6.02	7.96	2.85	59.27
26	43.36	61.52	37.23	10.16	26.62	14.31	14.48	13.35	5.81	7.75	2.81	58.96
27	43.23	61.85	36.93	10.33	26.26	14.33	14.16	13.27	5.58	7.54	2.78	58.64
28	43.09	62.15	36.65	10.50	25.91	14.37	13.81	13.18	5.34	7.32	2.77	58.31
29	42.96	62.43	36.39	10.67	25.57	14.43	13.44	13.09	5.10	7.08	2.79	57.97
30	42.85	62.70	36.14	10.87	25.22	14.50	13.05	12.98	4.86	6.81	2.84	57.62
31	42.76	62.97			24.83	14.57	12.65	12.85	4.64	6.52	2.92	57.27
32	42.69	63.24			24.41	14.64			4.44	6.22		

δ	sec δ	tg δ	δ	sec δ	tg δ
+87° 9' 50"	20.210	+20.186	+87° 10' 10"	20.250	+20.225
10 0	20.230	+20.206	20	20.270	+20.245
10	20.250	+20.225			

$\alpha_{1928.0} = 7^h\ 7^m\ 23^s.58$ $\qquad \delta_{1928.0} = +87°\ 9'\ 52''.61$

Nd) 51 Hev. Cephei $5^m.26$

Tag	Juli		August		September		Oktober		November		Dezember	
	AR.	Dekl.	AR.	Dekl.	AR.	Dekl.	AR.	Dekl.	AR.	Dekl.	AR.	Dekl.
		+		+		+		+		+		+
	$7^h 7^m$	87° 9′	$7^h 7^m$	87° 9′	$7^h 7^m$	87° 9′	$7^h 7^m$	87° 9′	$7^h 7^m$	87° 9′	$7^h 8^m$	87° 9′
	s	″	s	″	s	″	s	″	s	″	s	″
1	2.92	57.27	8.44	47.89	19.75	40.52	34.27	36.47	50.64	36.46	4.68	41.10
2	3.03	56.93	8.75	47.65	20.13	40.35	34.75	36.36	51.22	36.52	5.12	41.36
3	3.15	56.62	9.05	47.42	20.51	40.15	35.27	36.25	51.80	36.62	5.52	41.63
4	3.28	56.32	9.31	47.18	20.90	39.94	35.83	36.15	52.37	36.73	5.88	41.91
5	3.40	56.04	9.56	46.94	21.32	39.71	36.41	36.06	52.91	36.87	6.21	42.18
6	3.52	55.78	9.80	46.68	21.79	39.48	37.01	35.99	53.42	37.02	6.52	42.44
7	3.61	55.52	10.05	46.39	22.30	39.26	37.61	35.96	53.89	37.17	6.82	42.69
8	3.69	55.25	10.33	46.08	22.83	39.06	38.19	35.95	54.34	37.32	7.12	42.93
9	3.75	54.96	10.64	45.76	23.37	38.89	38.75	35.96	54.78	37.46	7.42	43.16
10	3.82	54.65	11.00	45.45	23.91	38.74	39.28	35.98	55.21	37.57	7.73	43.38
11	3.89	54.31	11.38	45.15	24.43	38.62	39.78	35.99	55.64	37.68	8.06	43.60
12	4.00	53.95	11.79	44.88	24.93	38.52	40.26	35.99	56.08	37.78	8.39	43.83
13	4.15	53.59	12.20	44.63	25.39	38.41	40.73	35.98	56.54	37.88	8.74	44.07
14	4.34	53.24	12.61	44.40	25.83	38.29	41.20	35.96	57.02	37.99	9.10	44.33
15	4.56	52.90	13.00	44.19	26.26	38.17	41.69	35.93	57.51	38.11	9.45	44.60
16	4.80	52.58	13.36	43.98	26.69	38.03	42.19	35.90	58.02	38.24	9.79	44.91
17	5.04	52.29	13.70	43.78	27.14	37.88	42.72	35.87	58.54	38.40	10.10	45.23
18	5.27	52.02	14.04	43.57	27.60	37.72	43.26	35.84	59.05	38.58	10.38	45.56
19	5.48	51.76	14.36	43.34	28.08	37.56	43.81	35.83	59.54	38.78	10.62	45.89
20	5.67	51.50	14.69	43.09	28.58	37.40	44.39	35.84	60.01	39.00	10.84	46.21
21	5.83	51.23	15.03	42.84	29.10	37.25	44.97	35.87	60.44	39.22	11.04	46.51
22	5.99	50.95	15.39	42.58	29.64	37.11	45.54	35.93	60.84	39.44	11.23	46.79
23	6.14	50.65	15.78	42.32	30.20	37.00	46.09	36.00	61.23	39.65	11.43	47.05
24	6.31	50.34	16.18	42.06	30.76	36.91	46.63	36.08	61.60	39.84	11.65	47.29
25	6.50	50.02	16.61	41.81	31.31	36.84	47.14	36.16	61.98	40.00	11.90	47.54
26	6.71	49.69	17.06	41.57	31.84	36.78	47.62	36.24	62.38	40.16	12.17	47.80
27	6.94	49.36	17.53	41.36	32.36	36.74	48.10	36.30	62.80	40.32	12.44	48.09
28	7.20	49.04	18.00	41.17	32.86	36.69	48.56	36.35	63.25	40.48	12.71	48.41
29	7.49	48.73	18.46	40.99	33.33	36.63	49.03	36.38	63.73	40.66	12.97	48.75
30	7.80	48.43	18.91	40.83	33.80	36.56	49.54	36.41	64.21	40.86	13.19	49.10
31	8.12	48.15	19.34	40.68	34.27	36.47	50.08	36.43	64.68	41.10	13.37	49.45
32	8.44	47.89	19.75	40.52			50.64	36.46			13.52	49.80

δ	sec δ	tg δ	δ	sec δ	tg δ
+87° 9′ 30″	20.171	+20.146	+87° 9′ 50″	20.210	+20.186
40	20.191	+20.166	60	20.230	+20.206
50	20.210	+20.186			

$a = +28.9$ $b = -0.390$ $a' = -5.8$ $b' = -0.957$

Ne) 1 Hev. Draconis $4^m.58$

Tag	Januar AR.	Januar Dekl.	Februar AR.	Februar Dekl.	März AR.	März Dekl.	April AR.	April Dekl.	Mai AR.	Mai Dekl.	Juni AR.	Juni Dekl.
		+		+		+		+		+		+
	$9^h\ 27^m$	81° 38′	$9^h\ 27^m$	81° 38′	$9^h\ 27^m$	81° 38′	$9^h\ 27^m$	81° 39′	$9^h\ 26^m$	81° 39′	$9^h\ 26^m$	81° 39′
	s	″	s	″	s	″	s	″	s	″	s	″
1	2.43	40.83	5.52	48.25	5.95	57.30	3.81	5.32	60.18	9.05	56.31	7.55
2	2.54	41.01	5.59	48.50	5.95	57.59	3.71	5.56	60.03	9.11	56.19	7.39
3	2.66	41.18	5.67	48.76	5.93	57.90	3.59	5.79	59.88	9.15	56.07	7.21
4	2.79	41.33	5.74	49.04	5.90	58.23	3.46	6.00	59.73	9.16	55.96	7.03
5	2.92	41.47	5.81	49.34	5.87	58.56	3.34	6.20	59.58	9.16	55.87	6.86
6	3.07	41.62	5.87	49.65	5.82	58.89	3.21	6.38	59.44	9.15	55.78	6.69
7	3.22	41.79	5.92	49.98	5.76	59.21	3.07	6.54	59.31	9.13	55.70	6.53
8	3.36	41.98	5.96	50.31	5.69	59.52	2.94	6.69	59.19	9.10	55.62	6.39
9	3.50	42.20	5.99	50.65	5.62	59.82	2.82	6.82	59.08	9.07	55.53	6.26
10	3.64	42.44	6.01	50.99	5.54	60.10	2.70	6.95	58.97	9.05	55.44	6.13
11	3.77	42.70	6.02	51.32	5.46	60.37	2.59	7.07	58.86	9.05	55.33	5.99
12	3.88	42.97	{6.03 / 6.03	51.64 / 51.94}	5.38	60.62	2.49	7.19	58.75	9.05	55.22	5.84
13	3.98	43.23	6.03	52.23	5.31	60.86	2.38	7.32	58.63	9.06	55.11	5.66
14	4.07	43.49	6.04	52.51	5.25	61.10	2.27	7.47	58.51	9.07	55.00	5.45
15	4.16	43.75	6.06	52.79	5.20	61.34	2.15	7.63	58.37	9.07	54.89	5.22
16	4.24	44.00	6.08	53.07	5.16	61.58	2.02	7.80	58.22	9.05	54.80	4.97
17	4.33	44.23	6.10	53.35	5.11	61.84	1.88	7.96	58.07	9.00	54.72	4.72
18	4.42	44.46	6.13	53.65	5.05	62.12	1.73	8.11	57.93	8.92	54.66	4.47
19	4.51	44.68	6.16	53.96	4.99	62.41	1.67	8.23	57.80	8.82	54.60	4.23
20	4.61	44.90	6.18	54.29	4.91	62.70	1.52	8.32	57.68	8.70	54.55	4.00
21	4.71	45.13	6.18	54.63	4.82	62.98	1.38	8.39	57.57	8.58	54.49	3.79
22	4.82	45.38	6.16	54.97	4.72	63.25	1.25	8.43	57.47	8.46	54.42	3.60
23	4.94	45.64	6.14	55.31	4.61	63.50	1.13	8.47	57.37	8.36	54.35	3.42
24	5.04	45.93	6.11	55.64	4.50	63.72	1.02	8.51	57.28	8.28	54.27	3.23
25	5.13	46.24	6.06	55.95	4.40	63.91	0.91	8.56	57.18	8.21	54.18	3.02
26	5.21	46.55	6.02	56.23	4.31	64.09	0.81	8.62	57.07	8.15	54.09	2.80
27	5.28	46.87	5.99	56.50	4.22	64.27	0.70	8.70	56.96	8.09	54.00	2.56
28	5.33	47.18	5.97	56.76	4.14	64.45	0.59	8.79	56.83	8.01	53.91	2.30
29	5.38	47.48	5.96	57.03	4.07	64.64	0.46	8.88	56.70	7.92	53.84	2.03
30	5.42	47.75	5.95	57.30	3.99	64.85	0.32	8.97	56.56	7.82	53.77	1.74
31	5.47	48.00			3.91	65.08	0.18	9.05	56.43	7.69	53.71	1.45
32	5.52	48.25			3.81	65.32			56.31	7.55		

δ	sec δ	tg δ	δ	sec δ	tg δ
+81° 38′ 40″	6.882	+6.809	+81° 39′ 0″	6.886	+6.813
50	6.884	+6.811	10	6.888	+6.815
60	6.886	+6.813			

$\alpha_{1928.0} = 9^h\ 26^m\ 57^s.87$ $\delta_{1928.0} = +81°\ 38'\ 48''.66$

Ne) 1 Hev. Draconis $4^m.58$

Tag	Juli AR.	Juli Dekl.	August AR.	August Dekl.	September AR.	September Dekl.	Oktober AR.	Oktober Dekl.	November AR.	November Dekl.	Dezember AR.	Dezember Dekl.
	$9^h\ 26^m$	$+81°38'$	$9^h\ 26^m$	$+81°38'$	$9^h\ 26^m$	$+81°38'$	$9^h\ 26^m$	$+81°38'$	$9^h\ 27^m$	$+81°38'$	$9^h\ 27^m$	$+81°38'$
	s	"	s	"	s	"	s	"	s	"	s	"
1	53.71	61.45	52.97	52.05	54.33	41.65	57.45	32.37	2.23	25.41	7.63	23.05
2	53.66	61.16	53.00	51.74	54.39	41.35	57.56	32.07	2.42	25.22	7.83	23.07
3	53.63	60.87	53.02	51.44	54.45	41.03	57.68	31.76	2.62	25.04	8.03	23.12
4	53.59	60.59	53.04	51.15	54.51	40.69	57.82	31.44	2.82	24.89	8.21	23.18
5	53.56	60.34	53.04	50.86	54.57	40.33	57.97	31.13	3.01	24.77	8.38	23.25
6	53.53	60.09	53.04	50.56	54.65	39.95	58.13	30.83	3.20	24.68	8.54	23.32
7	53.49	59.85	53.04	50.23	54.74	39.57	58.30	30.56	3.37	24.59	8.69	23.38
8	53.44	59.61	53.04	49.87	54.85	39.20	58.47	30.31	3.54	24.51	8.84	23.44
9	53.38	59.37	53.05	49.49	54.96	38.84	58.64	30.09	3.70	24.42	9.00	23.48
10	53.32	59.11	53.08	49.10	55.08	38.51	58.79	29.88	3.86	24.33	9.15	23.51
11	53.26	58.81	53.12	48.72	55.20	38.21	58.94	29.67	4.01	24.23	9.31	23.54
12	53.21	58.49	53.17	48.34	55.31	37.92	59.07	29.47	4.17	24.12	9.48	23.58
13	53.16	58.15	53.23	47.98	55.42	37.64	59.20	29.26	4.34	24.00	9.65	23.62
14	53.12	57.81	53.29	47.64	55.51	37.36	59.33	29.04	4.51	23.88	9.83	23.68
15	53.10	57.46	53.35	47.31	55.60	37.07	59.46	28.80	4.69	23.76	10.02	23.76
16	53.10	57.12	53.40	47.01	55.68	36.78	59.60	28.56	4.88	23.65	10.21	23.86
17	53.10	56.81	53.44	46.71	55.77	36.48	59.75	28.31	5.08	23.55	10.39	23.99
18	53.10	56.51	53.48	46.40	55.86	36.16	59.90	28.06	5.28	23.48	10.56	24.13
19	53.09	56.23	53.51	46.08	55.96	35.83	60.06	27.81	5.48	23.43	10.72	24.28
20	53.08	55.96	53.54	45.75	56.06	35.49	60.23	27.57	5.67	23.40	10.87	24.44
21	53.06	55.68	53.57	45.41	56.17	35.16	60.41	27.35	5.86	23.39	11.01	24.59
22	53.03	55.39	53.60	45.06	56.30	34.83	60.60	27.15	6.03	23.39	11.14	24.72
23	53.00	55.08	53.64	44.69	56.43	34.51	60.78	26.97	6.20	23.38	11.27	24.83
24	52.97	54.77	53.70	44.32	56.57	34.20	60.96	26.81	6.36	23.37	11.41	24.93
25	52.94	54.45	53.76	43.95	56.71	33.91	61.12	26.67	6.51	23.34	11.56	25.02
26	52.91	54.11	53.83	43.58	56.85	33.65	61.28	26.53	6.67	23.29	11.72	25.11
27	52.89	53.77	53.91	43.22	56.98	33.40	61.43	26.38	6.85	23.23	11.89	25.22
28	52.89	53.43	54.00	42.87	57.11	33.15	61.58	26.21	7.03	23.16	12.07	25.35
29	52.90	53.08	54.09	42.55	57.23	32.90	61.73	26.02	7.22	23.10	12.24	25.51
30	52.92	52.72	54.18	42.24	57.34	32.64	61.88	25.82	7.42	23.06	12.40	25.69
31	52.94	52.37	54.26	41.94	57.45	32.37	62.05	25.61	7.63	23.05	12.54	25.90
32	52.97	52.05	54.33	41.65			62.23	25.41			12.68	26.12

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+81° 38′ 20″	6.877	+6.804	+81° 38′ 40″	6.882	+6.809	+81° 39′ 0″	6.886	+6.813
30	6.879	+6.806	50	6.884	+6.811	10	6.888	+6.815
40	6.882	+6.809	60	6.886	+6.813			

$a = +8.7 \quad b = -0.357 \quad a' = -15.7 \quad b' = -0.619$

Nf) 30 H. Camelop. $5^m.34$

Tag	Januar AR.	Januar Dekl.	Februar AR.	Februar Dekl.	März AR.	März Dekl.	April AR.	April Dekl.	Mai AR.	Mai Dekl.	Juni AR.	Juni Dekl.
		+		+		+		+		+		+
	$10^h 22^m$	82° 55′	$10^h 22^m$	82° 55′	$10^h 22^m$	82° 55′	$10^h 22^m$	82° 55′	$10^h 22^m$	82° 55′	$10^h 22^m$	82° 55′
	s	″	s	″	s	″	s	″	s	″	s	″
1	31.79	24.04	36.35	29.90	38.03	38.67	36.60	47.68	32.86	53.29	28.11	53.91
2	31.95	24.16	36.45	30.12	38.05	38.96	36.51	47.97	32.69	53.42	27.95	53.82
3	32.11	24.26	36.57	30.34	38.07	39.27	36.40	48.25	32.51	53.53	27.79	53.72
4	32.27	24.35	36.69	30.58	38.09	39.60	36.29	48.52	32.34	53.63	27.65	53.60
5	32.44	24.44	36.81	30.84	38.09	39.95	36.17	48.78	32.18	53.71	27.51	53.48
6	32.62	24.53	36.92	31.13	38.08	40.30	36.04	49.03	32.02	53.77	27.39	53.37
7	32.81	24.63	37.03	31.44	38.05	40.65	35.91	49.26	31.86	53.82	27.28	53.26
8	33.01	24.75	37.12	31.75	38.01	40.99	35.78	49.47	31.71	53.86	27.16	53.16
9	33.21	24.90	37.20	32.07	37.96	41.32	35.66	49.67	31.58	53.89	27.04	53.08
10	33.40	25.08	37.26	32.39	37.91	41.64	35.54	49.85	31.45	53.93	26.91	53.01
11	33.58	25.27	37.32	32.71	37.86	41.94	35.43	50.03	31.32	53.98	26.77	52.93
12	33.75	25.47	37.37	33.01	37.81	42.22	35.33	50.21	31.19	54.04	26.62	52.84
13	33.90	25.68	37.42	33.30	37.77	42.49	35.23	50.39	31.06	54.12	26.46	52.73
14	34.05	25.89	37.46	33.59	37.73	42.76	35.13	50.59	30.91	54.20	26.30	52.59
15	34.18	26.10	37.51	33.87	37.70	43.03	35.03	50.80	30.75	54.27	26.14	52.42
16	34.30	26.30	37.56	34.14	37.67	43.31	34.92	51.03	30.58	54.32	26.00	52.23
17	34.43	26.50	37.62	34.40	37.65	43.59	34.79	51.25	30.40	54.34	25.88	52.02
18	34.56	26.69	37.68	34.67	37.62	43.89	34.65	51.47	30.22	54.34	25.76	51.82
19	34.70	26.87	37.76	34.96	37.58	44.21	34.49	51.67	30.05	54.31	25.66	51.62
20	34.84	27.04	37.83	35.27	37.53	44.53	34.33	51.84	29.90	54.26	25.56	51.43
21	34.99	27.22	37.89	35.59	37.46	44.85	34.18	51.98	29.75	54.21	25.46	51.27
22	35.15	27.41	37.94	35.93	37.38	45.16	34.03	52.10	29.61	54.16	25.36	51.13
23	35.31	27.62	37.97	36.28	37.29	45.45	33.89	52.20	29.49	54.12	25.25	50.99
24	35.46	27.85	37.99	36.62	37.19	45.72	33.77	52.30	29.37	54.09	25.13	50.84
25	35.61	28.11	38.00	36.96	37.10	45.97	33.65	52.41	29.24	54.08	25.00	50.68
26	35.75	28.38	37.99	37.28	37.01	46.20	33.54	52.53	29.10	54.08	24.86	50.51
27	35.87	28.66	{37.99 {37.98	37.58} 37.86}	36.94	46.42	33.43	52.67	28.95	54.08	24.72	50.32
28	35.97	28.93	37.99	38.12	36.87	46.65	33.31	52.82	28.79	54.07	24.59	50.12
29	36.07	29.20	38.01	38.39	36.81	46.89	33.17	52.98	28.63	54.06	24.46	49.90
30	36.16	29.45	38.03	38.67	36.75	47.14	33.02	53.14	28.46	54.04	24.34	49.66
31	36.25	29.68			36.68	47.40	32.86	53.29	28.28	53.99	24.23	49.41
32	36.35	29.90			36.60	47.68			28.11	53.91		

δ	sec δ	tg δ	δ	sec δ	tg δ
+82° 55′ 20″	8.116	+8.054	+82° 55′ 40″	8.122	+8.060
30	8.119	+8.057	50	8.125	+8.064
40	8.122	+8.060	60	8.128	+8.067

$\alpha_{1928.0} = 10^h\ 22^m\ 27^s.44$ $\delta_{1928.0} = +82°\ 55'\ 34''.52$

Nf) 30 H. Camelop. $5^m.34$

Tag	Juli AR.	Juli Dekl.	August AR.	August Dekl.	September AR.	September Dekl.	Oktober AR.	Oktober Dekl.	November AR.	November Dekl.	Dezember AR.	Dezember Dekl.
		+		+		+		+		+		+
	$10^h 22^m$	$82° 55'$	$10^h 22^m$	$82° 55'$	$10^h 22^m$	$82° 55'$	$10^h 22^m$	$82° 55'$	$10^h 22^m$	$82° 55'$	$10^h 22^m$	$82° 55'$
	s	"	s	"	s	"	s	"	s	"	s	"
1	24.23	49.41	22.03	40.74	22.15	29.99	24.47	19.41	29.03	10.32	34.94	5.46
2	24.13	49.16	22.02	40.42	22.18	29.67	24.56	19.07	29.22	10.04	35.17	5.39
3	24.05	48.91	22.00	40.12	22.20	29.33	24.66	18.71	29.43	9.78	35.40	5.34
4	23.97	48.67	21.98	39.83	22.22	28.97	24.78	18.33	29.64	9.54	35.62	5.32
5	23.89	48.44	21.95	39.54	22.25	28.58	24.91	17.95	29.85	9.33	35.83	5.30
6	23.82	48.22	21.90	39.24	22.29	28.18	25.06	17.58	30.05	9.15	36.02	5.29
7	23.74	48.01	21.85	38.92	22.34	27.77	25.22	17.23	30.25	8.98	36.21	5.28
8	23.65	47.80	21.80	38.58	22.41	27.36	25.38	16.91	30.43	8.81	36.39	5.26
9	23.55	47.59	21.76	38.21	22.49	26.96	25.53	16.62	30.60	8.65	36.56	5.23
10	23.44	47.36	21.73	37.83	22.58	26.58	25.68	16.34	30.77	8.48	36.74	5.20
11	23.33	47.11	21.72	37.44	22.67	26.23	25.82	16.07	30.94	8.30	36.94	5.15
12	23.22	46.83	21.73	37.05	22.76	25.89	25.95	15.80	31.11	8.12	37.14	5.11
13	23.12	46.53	21.75	36.67	22.84	25.57	26.07	15.53	31.28	7.93	37.35	5.07
14	23.03	46.21	21.78	36.31	22.91	25.25	26.19	15.25	31.46	7.73	37.56	5.05
15	22.96	45.89	21.80	35.97	22.98	24.92	26.31	14.96	31.65	7.53	37.78	5.04
16	22.91	45.57	21.82	35.65	23.04	24.59	26.44	14.65	31.86	7.34	38.00	5.05
17	22.86	45.27	21.82	35.33	23.09	24.25	26.57	14.34	32.08	7.16	38.23	5.08
18	22.82	44.98	21.82	35.01	23.15	23.89	26.71	14.02	32.30	6.99	38.45	5.14
19	22.77	44.71	21.81	34.69	23.22	23.52	26.86	13.70	32.52	6.85	38.65	5.21
20	22.71	44.45	21.80	34.36	23.30	23.15	27.03	13.39	32.74	6.73	38.84	5.29
21	22.65	44.20	21.79	34.01	23.38	22.77	27.21	13.09	32.96	6.63	39.02	5.37
22	22.58	43.94	21.78	33.65	23.48	22.38	27.40	12.81	33.16	6.54	39.19	5.44
23	22.50	43.67	21.77	33.27	23.58	22.00	27.58	12.55	33.34	6.46	39.36	5.49
24	22.42	43.39	21.78	32.89	23.70	21.64	27.76	12.31	33.52	6.37	39.54	5.52
25	22.35	43.09	21.80	32.50	23.83	21.29	27.93	12.08	33.70	6.26	39.72	5.54
26	22.27	42.77	21.84	32.11	23.96	20.96	28.09	11.86	33.88	6.13	39.92	5.56
27	22.20	42.44	21.89	31.72	24.08	20.65	28.25	11.64	34.07	5.99	40.13	5.59
28	22.14	42.10	21.94	31.34	24.19	20.35	28.40	11.41	34.27	5.84	40.34	5.64
29	22.10	41.75	22.00	30.98	24.29	20.05	28.54	11.16	34.48	5.70	40.56	5.72
30	22.07	41.40	22.06	30.64	24.38	19.74	28.69	10.89	34.71	5.57	40.77	5.82
31	22.05	41.06	22.11	30.31	24.47	19.41	28.85	10.61	34.94	5.46	40.97	5.95
32	22.03	40.74	22.15	29.99			29.03	10.32			41.16	6.10

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+82° 55′ 0″	8.109	+8.048	+82° 55′ 20″	8.116	+8.054	+82° 55′ 40″	8.122	+8.060
10	8.113	+8.051	30	8.119	+8.057	50	8.125	+8.064
20	8.116	+8.054	40	8.122	+8.060			

$a = +7.5$ $b = -0.489$ $a' = -18.3$ b' -0.413

Ny) ε Ursae minoris $4^m.40$

Tag	Januar AR.	Januar Dekl.	Februar AR.	Februar Dekl.	März AR.	März Dekl.	April AR.	April Dekl.	Mai AR.	Mai Dekl.	Juni AR.	Juni Dekl.
		+		+		+		+		+		+
	$16^h 53^m$	82° 9′	$16^h 53^m$	82° 9′	$16^h 53^m$	82° 9′	$16^h 53^m$	82° 9′	$16^h 53^m$	82° 9′	$16^h 53^m$	82° 9′
1	$10^s.25$	21″.69	$13^s.20$	12″.63	$17^s.56$	8″.59	$22^s.37$	10″.13	$25^s.73$	16″.66	$26^s.80$	26″.16
2	10.31	21.39	13.32	12.41	17.71	8.52	22.52	10.25	25.81	16.95	26.79	26.51
3	10.36	21.08	13.44	12.18	17.87	8.44	22.67	10.40	25.89	17.26	26.77	26.86
4	10.41	20.77	13.57	11.94	18.04	8.37	22.82	10.56	25.97	17.58	26.75	27.19
5	10.46	20.45	13.70	11.70	18.21	8.31	22.97	10.74	26.04	17.90	{26.72 {26.69	27.51} 27.81}
6	10.51	20.11	13.85	11.45	18.38	8.27	23.11	10.94	26.09	18.23	26.66	28.09
7	10.57	19.76	14.00	11.22	18.56	8.25	23.25	11.16	26.14	18.55	26.63	28.36
8	10.63	19.39	14.15	11.01	18.73	8.25	23.38	11.38	26.19	18.86	26.60	28.62
9	10.71	19.02	14.30	10.83	18.90	8.27	23.50	11.60	26.24	19.15	26.58	28.89
10	10.80	18.65	14.46	10.67	19.07	8.31	23.61	11.82	26.28	19.43	26.56	29.18
11	10.89	18.30	14.62	10.52	19.23	8.36	23.72	12.03	26.33	19.70	26.53	29.48
12	10.99	17.97	14.78	10.38	19.39	8.43	23.83	12.23	26.38	19.95	26.50	29.80
13	11.09	17.66	14.93	10.26	19.55	8.50	23.94	12.42	26.43	20.21	26.46	30.14
14	11.19	17.36	15.07	10.14	19.70	8.56	24.06	12.59	26.48	20.48	26.41	30.49
15	11.28	17.08	15.21	10.02	19.85	8.60	24.18	12.76	26.53	20.77	26.35	30.83
16	11.38	16.81	15.35	9.89	19.99	8.63	24.30	12.94	26.58	21.08	26.29	31.16
17	11.48	16.55	15.50	9.75	20.14	8.65	24.42	13.13	26.62	21.41	26.22	31.46
18	11.57	16.29	15.65	9.60	20.30	8.67	24.54	13.35	26.66	21.76	26.14	31.73
19	11.66	16.02	15.80	9.44	20.46	8.69	24.66	13.60	26.68	22.12	26.07	31.99
20	11.76	15.74	15.96	9.29	20.62	8.73	24.77	13.86	26.69	22.47	26.01	32.24
21	11.85	15.45	16.13	9.14	20.79	8.79	24.87	14.15	26.70	22.80	25.96	32.48
22	11.95	15.14	16.30	9.01	20.95	8.88	24.96	14.44	26.70	23.12	25.90	32.72
23	12.06	14.82	16.47	8.89	21.11	9.00	25.05	14.73	26.71	23.41	25.84	32.98
24	12.18	14.50	16.64	8.81	21.27	9.14	25.13	15.00	26.72	23.69	25.78	33.26
25	12.31	14.20	16.81	8.76	21.41	9.30	25.20	15.24	26.73	23.95	25.71	33.56
26	12.44	13.92	16.97	8.73	21.55	9.45	25.28	15.47	26.75	24.22	25.64	33.86
27	12.58	13.66	17.12	8.71	21.68	9.59	25.36	15.69	26.77	24.50	25.56	34.16
28	12.71	13.42	17.27	8.69	21.81	9.72	25.45	15.91	26.78	24.81	25.48	34.47
29	12.83	13.22	17.41	8.65	21.94	9.83	25.54	16.14	26.80	25.13	25.39	34.77
30	12.96	13.03	17.56	8.59	22.08	9.93	25.64	16.39	26.81	25.46	25.29	35.06
31	13.08	12.84			22.22	10.03	25.73	16.66	26.81	25.81	25.19	35.34
32	13.20	12.63			22.37	10.13			26.80	26.16		

δ	sec δ	tg δ	δ	sec δ	tg δ
+82° 9′ 0″	7.322	+7.253	+82° 9′ 20″	7.327	+7.258
10	7.324	+7.256	30	7.329	+7.261
20	7.327	+7.258	40	7.332	+7.264

$\alpha_{1928.0} = 16^h\ 53^m\ 16^s.98$ $\delta_{1928.0} = +82°\ 9'\ 30''.30$

Ng) ε Ursae minoris $4^m.40$

Tag	Juli AR.	Juli Dekl.	August AR.	August Dekl.	September AR.	September Dekl.	Oktober AR.	Oktober Dekl.	November AR.	November Dekl.	Dezember AR.	Dezember Dekl.
		+		+		+		+		+		+
	$16^h 53^m$	82° 9′	$16^h 53^m$	82° 9′	$16^h 53^m$	82° 9′	$16^h 53^m$	82° 9′	$16^h 53^m$	82° 9′	$16^h 53^m$	82° 9′
	s	″	s	″	s	″	s	″	s	″	s	″
1	25.19	35.34	21.38	41.59	16.23	43.58	10.96	41.11	6.36	34.16	3.88	24.07
2	25.09	35.59	21.23	41.68	16.07	43.59	10.79	41.00	6.22	33.85	3.84	23.66
3	24.99	35.83	21.09	41.78	15.90	43.61	10.61	40.88	6.09	33.52	3.81	23.25
4	24.89	36.04	20.96	41.89	15.72	43.63	10.43	40.73	5.98	33.18	3.79	22.85
5	24.79	36.25	20.82	42.02	15.53	43.65	10.25	40.56	5.87	32.83	3.78	22.48
6	24.70	36.45	20.67	42.16	15.34	43.65	10.07	40.36	5.77	32.48	3.77	22.13
7	24.61	36.66	20.52	42.32	15.14	43.63	9.90	40.14	5.68	32.15	3.76	21.79
8	24.52	36.88	20.35	42.48	14.95	43.58	9.74	39.90	5.59	31.84	3.74	21.45
9	24.43	37.13	20.18	42.63	14.76	43.50	9.59	39.66	5.50	31.54	3.72	21.12
10	24.33	37.40	20.00	42.76	14.58	43.40	9.44	39.43	5.41	31.25	3.71	20.79
11	24.22	37.67	19.82	42.86	14.41	43.30	9.30	39.22	5.31	30.97	3.69	20.45
12	24.10	37.95	19.64	42.94	14.24	43.20	9.16	39.02	5.22	30.69	3.67	20.09
13	23.97	38.21	19.47	42.99	14.07	43.11	9.01	38.83	5.13	30.39	3.65	19.73
14	23.83	38.45	19.30	43.03	13.90	43.03	8.87	38.64	5.03	30.09	3.64	19.35
15	23.69	38.65	19.15	43.06	13.74	42.96	8.72	38.46	4.93	29.77	3.64	18.95
16	23.56	38.83	18.99	43.10	13.57	42.91	8.56	38.28	4.84	29.42	3.65	18.53
17	23.43	39.00	18.83	43.15	13.40	42.86	8.40	38.08	4.75	29.06	3.67	18.12
18	23.30	39.16	18.68	43.22	13.22	42.81	8.24	37.86	4.67	28.68	3.69	17.72
19	23.18	39.32	18.52	43.29	13.04	42.75	8.09	37.63	4.59	28.30	3.71	17.33
20	23.06	39.48	18.35	43.38	12.85	42.67	7.94	37.37	4.53	27.92	3.74	16.97
21	22.95	39.66	18.18	43.47	12.67	42.58	7.79	37.10	4.47	27.54	3.78	16.62
22	22.83	39.86	18.00	43.55	12.48	42.47	7.65	36.81	4.42	27.18	3.81	16.29
23	22.71	40.07	17.82	43.62	12.30	42.33	7.51	36.50	4.36	26.84	3.83	15.98
24	22.57	40.28	17.64	43.68	12.12	42.17	7.39	36.20	4.31	26.52	3.84	15.67
25	22.43	40.49	17.46	43.72	11.94	42.00	7.27	35.92	4.25	26.21	3.86	15.34
26	22.29	40.69	17.27	43.73	11.77	41.83	7.15	35.66	4.18	25.90	3.88	14.98
27	22.14	40.89	17.09	43.72	11.61	41.65	7.03	35.40	4.12	25.58	3.90	14.61
28	21.99	41.07	16.91	43.69	11.45	41.49	6.90	35.16	4.05	25.23	3.93	14.22
29	21.83	41.23	16.74	43.66	11.29	41.35	6.77	34.93	3.99	24.87	3.98	13.82
30	21.68	41.37	16.57	43.62	11.13	41.23	6.63	34.69	3.93	24.48	4.04	13.42
31	21.53	41.49	16.40	43.59	10.96	41.11	6.50	34.44	3.88	24.07	4.10	13.03
32	21.38	41.59	16.23	43.58			6.36	34.16			4.16	12.67

δ	sec δ	tg δ	δ	sec δ	tg δ
+82° 9′ 10″	7.324	+7.256	+82° 9′ 30″	7.329	+7.261
20	7.327	+7.258	40	7.332	+7.264
30	7.329	+7.261	50	7.335	+7.266

$a = -6.2 \quad b = -0.139 \quad a' = -5.8 \quad b' = +0.958$

Nh) δ Ursae minoris 4^m^.44

Tag	Januar		Februar		März		April		Mai		Juni	
	AR.	Dekl.	AR.	Dekl.	AR.	Dekl.	AR.	Dekl.	AR.	Dekl.	AR.	Dekl.
		+		+		+		+		+		+
	$17^h 55^m$	86° 36′	$17^h 55^m$	86° 36′	$17^h 55^m$	86° 36′	$17^h 55^m$	86° 36′	$17^h 55^m$	86° 36′	$17^h 55^m$	86° 36′
	s	″	s	″	s	″	s	″	s	″	s	″
1	10.61	44.20	14.17	34.32	22.44	28.32	33.37	27.32	42.48	31.82	47.28	40.37
2	10.64	43.89	14.35	34.06	22.75	28.18	33.74	27.36	42.75	32.06	47.34	40.71
3	10.65	43.59	14.54	33.77	23.07	28.03	34.12	27.41	43.02	32.31	47.38	41.05
4	10.65	43.28	14.74	33.48	23.41	27.88	34.49	27.48	43.28	32.57	47.40	41.39
5	10.65	42.97	14.95	33.18	23.77	27.73	34.87	27.58	43.51	32.84	47.40	41.71
6	10.64	42.64	15.19	32.88	24.14	27.60	35.24	27.70	43.73	33.12	47.40	42.02
7	10.64	42.28	15.45	32.58	24.52	27.49	35.60	27.83	43.93	33.40	47.39	42.31
8	10.66	41.91	15.73	32.30	24.91	27.40	35.94	27.97	44.11	33.68	47.38	42.58
9	10.72	41.53	16.03	32.05	25.30	27.33	36.26	28.12	44.28	33.94	47.39	42.85
10	10.79	41.15	16.33	31.81	25.68	27.29	36.57	28.27	44.44	34.19	47.41	43.12
11	10.88	40.77	16.63	31.59	26.05	27.25	36.88	28.42	44.60	34.42	47.44	43.40
12	10.99	40.41	16.93	31.39	26.42	27.23	37.17	28.56	44.77	34.65	47.47	43.70
13	11.12	40.06	17.22	31.20	26.77	27.21	37.46	28.68	44.95	34.87	47.49	44.03
14	11.26	39.73	17.50	31.01	27.11	27.19	37.75	28.79	45.14	35.10	47.48	44.37
15	11.40	39.42	17.77	30.83	27.44	27.16	38.05	28.89	45.33	35.34	47.46	44.73
16	11.53	39.12	18.04	30.65	27.76	27.12	38.37	29.00	45.52	35.61	47.41	45.09
17	11.65	38.83	18.31	30.45	28.09	27.07	38.70	29.12	45.71	35.90	47.33	45.44
18	11.77	38.54	18.58	30.24	28.43	27.01	39.03	29.26	45.88	36.22	47.23	45.78
19	11.88	38.24	18.85	30.02	28.79	26.94	39.36	29.43	46.02	36.55	47.12	46.09
20	11.99	37.94	19.13	29.79	29.16	26.89	39.68	29.63	46.13	36.88	47.01	46.37
21	12.09	37.62	19.45	29.56	29.55	26.86	39.98	29.86	46.22	37.20	46.92 / 46.84	46.64 / 46.92
22	12.21	37.28	19.79	29.34	29.95	26.86	40.25	30.09	46.30	37.50	46.77	47.19
23	12.35	36.93	20.14	29.15	30.35	26.89	40.49	30.32	46.37	37.78	46.71	47.47
24	12.51	36.58	20.51	28.99	30.74	26.94	40.73	30.53	46.45	38.04	46.66	47.76
25	12.69	36.23	20.87	28.86	31.10	27.01	40.95	30.73	46.54	38.29	46.60	48.07
26	12.90	35.89	21.21	28.74	31.43	27.08	41.17	30.92	46.65	38.54	46.52	48.40
27	13.13	35.58	21.54	28.64	31.75	27.15	41.41	31.09	46.76	38.80	46.43	48.74
28	13.36	35.30	21.84	28.54	32.06	27.21	41.67	31.26	46.88	39.08	46.32	49.07
29	13.58	35.04	22.14	28.44	32.37	27.25	41.93	31.43	47.00	39.38	46.19	49.41
30	13.79	34.80	22.44	28.32	32.69	27.27	42.20	31.61	47.10	39.69	46.05	49.74
31	13.99	34.56			33.02	27.29	42.48	31.82	47.20	40.03	45.88	50.06
32	14.17	34.32			33.37	27.32			47.28	40.37		

δ	sec δ	tg δ	δ	sec δ	tg δ
+86° 36′ 20″	16.889	+16.860	+86° 36′ 40″	16.917	+16.887
30	16.903	+16.873	50	16.931	+16.901
40	16.917	+16.887	60	16.945	+16.915

$\alpha_{1928.0} = 17^h\ 55^m\ 26^s.87$ $\delta_{1928.0} = +86°\ 36'\ 49''.37$

Nh) δ Ursae minoris $4^{m}.44$

Tag	Juli		August		September		Oktober		November		Dezember	
	AR.	Dekl.	AR.	Dekl.	AR.	Dekl.	AR.	Dekl.	AR.	Dekl.	AR.	Dekl.
	$17^h 55^m$	+ 86° 36′	$17^h 55^m$	+ 86° 36′	$17^h 55^m$	+ 86° 37′	$17^h 55^m$	+ 86° 36′	$17^h 54^m$	+ 86° 36′	$17^h 54^m$	+ 86° 36′
	s	″	s	″	s	″	s	″	s	″	s	″
1	45.88	50.06	38.71	58.13	27.49	2.86	14.76	63.42	62.13	59.44	53.29	51.41
2	45.71	50.36	38.40	58.31	27.12	2.94	14.33	63.41	61.72	59.23	53.07	51.05
3	45.53	50.64	38.11	58.48	26.74	3.05	13.88	63.39	61.33	58.99	52.88	50.69
4	45.35	50.91	37.82	58.66	26.33	3.18	13.41	63.35	60.96	58.73	52.72	50.34
5	45.18	51.16	37.54	58.85	25.91	3.30	12.94	63.29	60.60	58.47	52.57	50.00
6	45.02	51.40	37.25	59.06	25.47	3.41	12.47	63.20	60.28	58.20	52.43	49.67
7	44.87	51.65	36.95	59.30	25.01	3.50	12.01	63.09	59.97	57.94	52.29	49.35
8	44.72	51.91	36.62	59.55	24.54	3.56	11.57	62.95	59.67	57.69	52.15	49.05
9	44.58	52.20	36.26	59.79	24.08	3.60	11.15	62.81	59.38	57.46	52.01	48.75
10	44.42	52.51	35.89	60.01	23.63	3.61	10.75	62.67	59.08	57.24	51.86	48.46
11	44.24	52.83	35.50	60.20	23.20	3.61	10.37	62.55	58.78	57.03	51.70	48.16
12	44.03	53.15	35.11	60.37	22.78	3.60	9.99	62.44	58.47	56.82	51.54	47.84
13	43.79	53.47	34.72	60.52	22.38	3.60	9.61	62.33	58.16	56.61	51.38	47.51
14	43.54	53.78	34.34	60.65	21.99	3.61	9.22	62.24	57.84	56.38	51.23	47.17
15	43.27	54.06	33.98	60.77	21.60	3.64	8.83	62.15	57.51	56.13	51.09	46.80
16	43.01	54.31	33.64	60.89	21.20	3.68	8.43	62.06	57.18	55.86	50.97	46.42
17	42.75	54.54	33.30	61.02	20.79	3.73	8.01	61.96	56.86	55.58	50.87	46.02
18	42.50	54.76	32.96	61.17	20.37	3.78	7.58	61.84	56.55	55.27	50.79	45.63
19	42.27	54.98	32.62	61.33	19.93	3.82	7.15	61.71	56.26	54.95	50.74	45.25
20	42.04	55.20	32.27	61.50	19.48	3.85	6.72	61.56	56.00	54.62	50.70	44.90
21	41.83	55.44	31.91	61.67	19.03	3.87	6.29	61.39	55.76	54.30	50.66	44.57
22	41.61	55.69	31.54	61.84	18.57	3.87	5.88	61.20	55.53	53.99	50.62	44.26
23	41.37	55.95	31.14	62.01	18.11	3.84	5.48	60.99	55.31	53.70	50.57	43.96
24	41.13	56.22	30.73	62.17	17.65	3.79	5.11	60.78	55.09	53.44	50.50	43.66
25	40.88	56.50	30.31	62.31	17.20	3.73	4.75	60.58	54.86	53.19	50.43	43.35
26	40.60	56.78	29.89	62.43	16.77	3.65	4.40	60.39	54.61	52.94	50.35	43.01
27	40.31	57.05	29.46	62.52	16.36	3.58	4.05	60.21	54.35	52.68	50.27	42.65
28	40.01	57.30	29.04	62.60	15.95	3.51	3.70	60.06	54.08	52.40	50.20	42.27
29	39.69	57.54	28.63	62.67	15.56	3.46	3.34	59.92	53.81	52.09	50.16	41.87
30	39.36	57.76	28.24	62.73	15.17	3.43	2.96	59.78	53.54	51.76	50.15	41.47
31	39.03	57.95	27.86	62.79	14.76	3.42	2.55	59.62	53.29	51.41	50.17	41.08
32	38.71	58.13	27.49	62.86			2.13	59.44			50.21	40.71

δ	sec δ	tg δ	δ	sec δ	tg δ
+86° 36′ 40″	16.917	+16.887	+86° 37′ 0″	16.945	+16.915
50	16.931	+16.901	10	16.958	+16.929
60	16.945	+16.915			

$a = -19.5$ $b = -0.023$ $a' = -0.4$ $b' = +1.000$

Ni) λ Ursae minoris $6^m.55$

Tag	Januar AR.	Januar Dekl.	Februar AR.	Februar Dekl.	März AR.	März Dekl.	April AR.	April Dekl.	Mai AR.	Mai Dekl.	Juni AR.	Juni Dekl.
	18^h48^m	+89° 1'	18^h48^m	+89° 1'	18^h48^m	+89° 1'	18^h49^m	+89° 1'	18^h49^m	+89° 1'	18^h50^m	+89° 1'
	s	"	s	"	s	"	s	"	s	"	s	"
1	17.25	53.83	19.82	43.68	41.99	36.28	17.65	33.14	52.01	35.62	15.24	42.85
2	17.05	53.53	20.16	43.40	42.87	36.09	18.92	33.09	53.14	35.78	15.73	43.17
3	16.81	53.24	20.49	43.10	43.78	35.88	20.25	33.07	54.26	35.97	16.14	43.49
4	16.51	52.95	20.86	42.78	44.77	35.66	21.61	33.07	55.34	36.17	16.48	43.81
5	16.17	52.65	21.31	42.45	45.85	35.45	22.97	33.08	56.37	36.38	16.75	44.13
6	15.80	52.33	21.85	42.11	47.00	35.25	24.32	33.12	57.33	36.61	16.97	44.43
7	15.45	51.99	22.47	41.77	48.21	35.06	25.64	33.17	58.23	36.84	17.17	44.71
8	15.16	51.63	23.16	41.45	49.46	34.90	26.91	33.24	59.06	37.06	17.37	44.97
9	14.95	51.25	23.93	41.14	50.71	34.76	28.13	33.32	59.84	37.28	17.60	45.23
10	14.84	50.87	24.74	40.85	51.96	34.64	29.29	33.40	60.57	37.49	17.87	45.48
11	14.82	50.49	25.57	40.58	53.20	34.53	30.40	33.48	61.29	37.68	18.19	45.74
12	14.87	50.12	26.39	40.32	54.40	34.44	31.48	33.55	62.03	37.86	18.55	46.03
13	14.98	49.77	27.20	40.08	55.55	34.35	32.53	33.61	62.82	38.03	18.91	46.33
14	15.13	49.43	27.98	39.85	56.65	34.26	33.57	33.65	63.66	38.21	19.21	46.67
15	15.30	49.10	28.72	39.63	57.71	34.17	34.65	33.69	64.54	38.40	19.43	47.03
16	15.47	48.79	29.42	39.40	58.75	34.07	35.80	33.72	65.45	38.62	19.54	47.39
17	15.61	48.49	30.10	39.16	59.79	33.95	37.01	33.77	66.34	38.87	19.55	47.74
18	15.73	48.19	30.79	38.90	60.87	33.83	38.27	33.85	67.17	39.15	19.48	48.08
19	15.82	47.88	31.50	38.63	62.01	33.70	39.55	33.95	67.91	39.44	19.35	48.40
20	15.88	47.57	32.26	38.35	63.22	33.57	40.81	34.08	68.55	39.74	19.22	48.70
21	15.94	47.25	33.11	38.07	64.51	33.46	42.01	34.23	69.09	40.03	19.11	48.99
22	16.01	46.91	34.05	37.79	65.85	33.37	43.11	34.40	69.56	40.31	19.05	49.26
23	16.13	46.55	35.07	37.53	67.21	33.32	44.12	34.57	70.01	40.56	19.05	49.53
24	16.32	46.17	36.15	37.31	68.54	33.29	45.05	34.73	70.47	40.80	19.09	49.81
25	16.62	45.80	37.25	37.11	69.81	33.29	45.95	34.89	70.97	41.03	19.15	50.11
26	17.01	45.44	38.32	36.93	71.00	33.30	46.85	35.02	71.52	41.25	19.20	50.42
27	17.49	45.10	39.32	36.77	72.12	33.31	47.77	35.13	72.13	41.47	19.23	50.75
28	18.01	44.78	40.25	36.62	73.19	33.30	48.75	35.24	72.78	41.71	19.21	51.09
29	18.53	44.49	41.13	36.46	74.25	33.27	49.79	35.35	73.44	41.97	19.13	51.44
30	19.01	44.22	41.99	36.28	75.33	33.23	50.88	35.47	74.08	42.25	18.97	51.79
31	19.44	43.95			76.46	33.19	52.01	35.62	74.68	42.54	18.73	52.14
32	19.82	43.68			77.65	33.14			75.24	42.85		

δ	sec δ	tg δ	δ	sec δ	tg δ
+89° 1' 30"	58.768	+58.759	+89° 1' 50"	59.104	+59.096
40	58.936	+58.927	60	59.274	+59.266
50	59.104	+59.096			

$\alpha_{1928.0} = 18^h\ 49^m\ 14^s.76$ $\delta_{1928.0} = +89°\ 1'\ 55''.70$

Ni) λ Ursae minoris $6^m.55$

Tag	Juli AR.	Juli Dekl.	August AR.	August Dekl.	September AR.	September Dekl.	Oktober AR.	Oktober Dekl.	November AR.	November Dekl.	Dezember AR.	Dezember Dekl.
		+		+		+		+		+		+
	$18^h 50^m$	89° 1′	$18^h 49^m$	89° 2′	$18^h 48^m$	89° 2′	$18^h 47^m$	89° 2′	$18^h 47^m$	89° 2′	$18^h 46^m$	89° 1′
	s	″	s	″	s	″	s	″	s	″	s	″
1	18.73	52.14	60.51	1.76	85.92	8.62	102.52	11.79	55.29	10.59	77.25	64.74
2	18.42	52.48	59.59	1.99	84.73	8.78	101.02	11.87	53.66	10.47	76.15	64.44
3	18.05	52.80	58.72	2.21	83.52	8.97	99.44	11.95	52.05	10.32	75.16	64.14
4	17.65 / 17.24	53.11 / 53.41	57.90	2.44	82.26	9.17	97.79	12.01	50.51	10.16	74.26	63.83
5	16.85	53.69	57.11	2.68	80.91	9.38	96.08	12.05	49.05	9.98	73.45	63.53
6	16.51	53.96	56.32	2.95	79.46	9.58	94.34	12.06	47.68	9.79	72.68	63.25
7	16.21	54.23	55.48	3.24	77.93	9.76	92.63	12.04	46.40	9.60	71.92	62.98
8	15.95	54.51	54.56	3.55	76.35	9.91	90.99	12.00	45.17	9.43	71.16	62.72
9	15.71	54.82	53.54	3.85	74.77	10.04	89.43	11.95	43.97	9.27	70.39	62.47
10	15.44	55.15	52.42	4.14	73.22	10.15	87.95	11.90	42.76	9.12	69.59	62.22
11	15.10	55.50	51.22	4.41	71.72	10.24	86.52	11.86	41.53	8.97	68.75	61.96
12	14.67	55.85	49.99	4.66	70.29	10.32	85.13	11.83	40.26	8.83	67.89	61.69
13	14.12	56.21	48.76	4.88	68.92	10.41	83.74	11.82	38.96	8.69	67.02	61.40
14	13.48	56.55	47.56	5.08	67.60	10.50	82.33	11.81	37.62	8.54	66.15	61.10
15	12.77	56.87	46.42	5.27	66.30	10.60	80.89	11.81	36.25	8.37	65.31	60.78
16	12.04	57.17	45.34	5.46	64.98	10.72	79.40	11.80	34.86	8.19	64.52	60.43
17	11.33	57.45	44.31	5.66	63.61	10.85	77.86	11.80	33.48	7.98	63.81	60.08
18	10.66	57.71	43.30	5.87	62.21	10.98	76.28	11.78	32.14	7.75	63.19	59.73
19	10.04	57.97	42.29	6.09	60.76	11.11	74.67	11.75	30.85	7.51	62.67	59.38
20	9.47	58.23	41.25	6.33	59.24	11.23	73.03	11.69	29.63	7.25	62.21	59.05
21	8.94	58.50	40.16	6.57	57.67	11.34	71.39	11.60	28.49	6.99	61.79	58.73
22	8.41	58.79	39.02	6.81	56.06	11.44	69.78	11.50	27.43	6.74	61.36	58.44
23	7.87	59.09	37.81	7.05	54.43	11.51	68.22	11.38	26.41	6.51	60.89	58.17
24	7.28	59.40	36.54	7.29	52.80	11.56	66.74	11.25	25.41	6.30	60.35	57.90
25	6.64	59.72	35.21	7.52	51.19	11.59	65.33	11.13	24.38	6.10	59.76	57.62
26	5.94	60.05	33.83	7.72	49.64	11.60	63.97	11.02	23.29	5.92	59.12	57.32
27	5.16	60.37	32.43	7.90	48.16	11.61	62.64	10.93	22.13	5.73	58.48	57.00
28	4.31	60.68	31.03	8.06	46.74	11.63	61.29	10.86	20.91	5.52	57.88	56.65
29	3.40	60.98	29.67	8.20	45.34	11.66	59.89	10.81	19.66	5.29	57.36	56.28
30	2.44	61.26	28.36	8.34	43.95	11.72	58.42	10.75	18.43	5.03	56.95	55.90
31	1.47	61.52	27.12	8.47	42.52	11.79	56.88	10.68	17.25	4.74	56.65	55.53
32	0.51	61.76	25.92	8.62			55.29	10.59			56.44	55.16

δ	sec δ	tg δ	δ	sec δ	tg δ
+89° 1′ 50″	59.104	+59.096	+89° 2′ 10″	59.445	+59.437
2 0	59.274	+59.266	20	59.617	+59.608
10	59.445	+59.437			

$a = -74.2 \quad b = +0.842 \quad a' = +4.3 \quad b' = +0.977$

Nk) 76 Draconis $5^{m}.69$

Tag	Januar AR.	Januar Dekl.	Februar AR.	Februar Dekl.	März AR.	März Dekl.	April AR.	April Dekl.	Mai AR.	Mai Dekl.	Juni AR.	Juni Dekl.
	20^h47^m	$+82°15'$	20^h47^m	$+82°15'$	20^h47^m	$+82°15'$	20^h47^m	$+82°15'$	20^h47^m	$+82°15'$	20^h47^m	$+82°15'$
1	$46^s.79$	$63''.21$	$44^s.89$	$53''.73$	$45^s.73$	$44''.35$	$49^s.07$	$37''.20$	$53^s.62$	$35''.30$	$58^s.18$	$39''.16$
2	46.71	62.95	44.87	53.43	45.79	44.07	49.20	37.01	53.79	35.32	58.32	39.39
3	46.62	62.71	44.85	53.11	45.85	43.77	49.34	36.82	53.97	35.36	58.45	39.63
4	46.53	62.49	44.83	52.78	45.92	43.46	49.49	36.65	54.14	35.41	58.58	39.88
5	46.43	62.26	44.81	52.43	45.99	43.14	49.65	36.50	54.31	35.48	58.70	40.14
6	46.33	62.01	44.79	52.06	46.07	42.82	49.81	36.38	54.48	35.57	58.81	40.39
7	46.23	61.74	44.78	51.68	46.15	42.50	49.97	36.27	54.64	35.67	58.91	40.62
8	46.13	61.45	44.78	51.31	46.25	42.20	50.12	36.18	54.80	35.77	59.01	40.84
9	46.03	61.14	44.80	50.94	46.35	41.92	50.28	36.10	54.94	35.88	59.11	41.05
10	45.93	60.82	44.82	50.58	46.47	41.66	50.44	36.03	55.08	35.99	59.21	41.25
11	45.84	60.49	44.85	50.23	46.58	41.41	50.59	35.97	55.22	36.08	59.32	41.46
12	45.76	60.15	44.88	49.90	46.70	41.18	50.73	35.91	55.36	36.16	59.43	41.68
13	45.70	59.81	44.92	49.59	46.81	40.96	50.87	35.83	55.50	36.22	59.55	41.92
14	45.64	59.48	44.95	49.29	46.91	40.74	51.01	35.75	55.64	36.29	59.66	42.19
15	45.58	59.17	44.99	48.99	47.02	40.53	51.15	35.65	55.78	36.37	59.78	42.48
16	45.53	58.87	45.02	48.69	47.12	40.31	51.29	35.54	55.94	36.46	59.89	42.79
17	45.48	58.58	45.04	48.39	47.21	40.08	51.44	35.44	56.10	36.57	60.00	43.12
18	45.43	58.30	45.06	48.08	47.31	39.84	51.59	35.36	56.26	36.72	60.09	43.45
19	45.38	58.02	45.08	47.75	47.41	39.58	51.76	35.30	56.42	36.90	60.17	43.76
20	45.32	57.73	45.11	47.41	47.52	39.32	51.93	35.26	56.57	37.09	60.25	44.06
21	45.26	57.43	45.14	47.05	47.63	39.07	52.10	35.25	56.72	37.29	60.32	44.34
22	45.20	57.11	45.19	46.68	47.76	38.83	52.27	35.27	56.86	37.48	60.39	44.60
23	45.14	56.77	45.24	46.32	47.90	38.61	52.43	35.30	56.99	37.66	60.46	44.85
24	45.08	56.41	45.30	45.99	48.05	38.42	52.58	35.34	57.11	37.83	60.54	45.11
25	45.03	56.04	45.37	45.67	48.19	38.27	52.73	35.37	57.23	37.98	60.62	45.37
26	44.99	55.66	45.45	45.38	48.33	38.14	52.88	35.39	57.35	38.11	60.70	45.65
27	44.96	55.29	45.52	45.12	48.46	38.01	53.01	35.38	57.48	38.25	60.79	45.94
28	44.94	54.94	45.60	44.87	48.59	37.87	53.15	35.36	57.61	38.40	60.87	46.26
29	44.93	54.62	45.67	44.61	48.71	37.72	53.30	35.33	57.75	38.56	60.96	46.59
30	44.92	54.31	45.73	44.35	48.82	37.56	53.46	35.31	57.89	38.73	61.04	46.94
31	44.91	54.02			48.94	37.38	53.62	35.30	58.03	38.93	61.11	47.30
32	44.89	53.73			49.07	37.20			58.18	39.16		

δ	sec δ	tg δ	δ	sec δ	tg δ
+82° 15′ 30″	7.424	+7.356	+82° 15′ 50″	7.429	+7.361
40	7.426	+7.359	16 0	7.431	+7.364
50	7.429	+7.361	10	7.434	+7.367

$\alpha_{1928.0} = 20^h\ 47^m\ 54^s.44$ $\delta_{1928.0} = +82°\ 15'\ 58''.01$

Nk) 76 Draconis $5^m.69$

Tag	Juli AR.	Juli Dekl.	August AR.	August Dekl.	September AR.	September Dekl.	Oktober AR.	Oktober Dekl.	November AR.	November Dekl.	Dezember AR.	Dezember Dekl.
		+		+		+		+		+		+
	$20^h 48^m$	82° 15′	$20^h 47^m$	82° 15′	$20^h 47^m$	82° 16′	$20^h 47^m$	82° 16′	$20^h 47^m$	82° 16′	$20^h 47^m$	82° 16′
	s	″	s	″	s	″	s	″	s	″	s	″
1	1.11	47.30	61.78	58.01	59.87	8.86	56.09	17.06	50.88	21.73	45.63	21.10
2	1.17	47.65	61.75	58.35	59.78	9.15	55.95	17.32	50.69	21.82	45.45	20.96
3	1.22	47.99	{61.71 / 61.68	58.67 / 58.98}	59.70	9.47	55.81	17.58	50.49	21.89	45.27	20.79
4	1.27	48.32	61.65	59.30	59.61	9.80	55.66	17.84	50.30	21.92	45.11	20.63
5	1.31	48.64	61.62	59.62	59.52	10.16	55.50	18.08	50.11	21.93	44.95	20.46
6	1.34	48.95	61.60	59.96	59.42	10.52	55.33	18.29	49.92	21.92	44.80	20.30
7	1.37	49.24	61.58	60.32	59.31	10.87	55.15	18.49	49.74	21.91	44.65	20.14
8	1.41	49.52	61.56	60.71	59.19	11.21	54.97	18.66	49.57	21.90	44.51	20.00
9	1.46	49.81	61.53	61.11	59.06	11.52	54.80	18.81	49.40	21.91	44.37	19.87
10	1.51	50.12	61.50	61.52	58.93	11.81	54.63	18.94	49.24	21.92	44.23	19.75
11	1.56	50.46	61.45	61.92	58.80	12.07	54.46	19.08	49.08	21.94	44.09	19.62
12	1.62	50.82	61.39	62.29	58.67	12.32	54.30	19.22	48.92	21.97	43.95	19.48
13	1.67	51.20	61.32	62.65	58.54	12.56	54.15	19.37	48.75	22.00	43.80	19.33
14	1.71	51.59	61.25	62.98	58.41	12.80	54.00	19.53	48.58	22.02	43.64	19.17
15	1.74	51.98	61.18	63.29	58.30	13.06	53.84	19.71	48.41	22.04	43.49	18.99
16	1.76	52.37	61.11	63.60	58.19	13.33	53.68	19.89	48.23	22.04	43.33	18.78
17	1.76	52.74	61.05	63.91	58.07	13.61	53.52	20.07	48.04	22.03	43.18	18.55
18	1.76	53.08	61.00	64.23	57.95	13.90	53.35	20.24	47.84	21.99	43.03	18.30
19	1.77	53.40	60.95	64.56	57.83	14.20	53.18	20.40	47.65	21.92	42.90	18.05
20	1.77	53.71	60.89	64.89	57.71	14.49	53.00	20.55	47.47	21.83	42.78	17.81
21	1.78	54.03	60.84	65.24	57.57	14.78	52.81	20.68	47.29	21.73	42.66	17.58
22	1.79	54.34	60.78	65.61	57.42	15.06	52.62	20.79	47.12	21.64	42.54	17.37
23	1.81	54.66	60.71	65.98	57.27	15.33	52.43	20.87	46.96	21.55	42.43	17.17
24	1.83	55.01	60.64	66.35	57.12	15.57	52.24	20.94	46.81	21.48	42.32	16.99
25	1.84	55.37	60.57	66.71	56.96	15.79	52.06	21.00	46.65	21.43	42.20	16.82
26	1.85	55.73	60.48	67.06	56.81	16.00	51.89	21.06	46.50	21.40	42.07	16.64
27	1.86	56.11	60.38	67.40	56.65	16.20	51.72	21.14	46.34	21.37	41.94	16.43
28	1.86	56.50	60.27	67.72	56.50	16.39	51.56	21.24	46.17	21.33	41.80	16.17
29	1.86	56.90	60.16	68.02	56.35	16.59	51.40	21.35	46.00	21.28	41.67	15.89
30	1.84	57.28	60.06	68.30	56.22	16.82	51.24	21.48	45.82	21.21	41.55	15.61
31	1.81	57.65	59.96	68.58	56.09	17.06	51.07	21.61	45.63	21.10	41.43	15.31
32	1.78	58.01	59.87	68.86			50.88	21.73			41.33	15.01

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
+82° 15′ 40″	7.426	+7.359	+82° 16′ 0″	7.431	+7.364	+82° 16′ 20″	7.437	+7.369
50	7.429	+7.361	10	7.434	+7.367	30	7.439	+7.372
60	7.431	+7.364	20	7.437	+7.369			

$a = -4.2 \quad b = +0.328 \quad a' = +13.4 \quad b' = +0.743$

Sa) Octantis 4 G. $5^m.63$

Tag	Januar AR.	Januar Dekl.	Februar AR.	Februar Dekl.	März AR.	März Dekl.	April AR.	April Dekl.	Mai AR.	Mai Dekl.	Juni AR.	Juni Dekl.
		—		—		—		—		—		—
	$1^h\ 41^m$	85° 8′	$1^h\ 41^m$	85° 8′	$1^h\ 41^m$	85° 8′	$1^h\ 41^m$	85° 7′	$1^h\ 41^m$	85° 7′	$1^h\ 41^m$	85° 7′
1	$28^s.88$	26″.66	20.74	24.34	14.35	17.37	10.32	66.53	9.86	55.10	12.97	44.55
2	28.58	26.71	20.48	24.14	14.18	17.02	10.27	66.16	9.90	54.76	13.11	44.27
3	28.29	26.73	20.24	23.92	14.03	16.67	10.22	65.80	9.94	54.43	13.25	43.98
4	28.00	26.72	20.01	23.70	13.88	16.34	10.16	65.46	9.98	54.09	13.39	43.68
5	27.72	26.70	19.79	23.48	13.74	16.02	10.10	65.12	10.01	53.75	13.54	43.37
6	27.45	26.66	19.58	23.28	13.59	15.72	10.03	64.78	10.04	53.39	13.71	43.05
7	27.19	26.60	19.37	23.09	13.44	15.43	9.96	64.43	10.08	53.02	13.89	42.74
8	26.95	26.54	19.15	22.91	13.28	15.14	9.88	64.07	10.13	52.64	14.09	42.44
9	26.72	26.48	18.92	22.73	13.12	14.85	9.81	63.70	10.19	52.25	14.30	42.15
10	26.49	26.44	18.69	22.56	12.95	14.56	9.74	63.31	10.28	51.85	14.52	41.88
11	26.25	26.41	18.45	22.38	12.77	14.25	9.69	62.90	10.38	51.45	14.74	41.63
12	26.00	26.39	18.20	22.19	12.59	13.92	9.65	62.48	10.49	51.06	14.94	41.40
13	25.75	26.37	17.95	21.98	12.42	13.58	9.64	62.06	10.61	50.69	15.12	41.19
14	25.49	26.35	17.70	21.76	12.25	13.23	9.64	61.64	10.73	50.34	15.29	40.98
15	25.22	26.33	17.45	21.52	12.10	12.86	9.64	61.23	10.85	50.02	15.45	40.76
16	24.93	26.29	17.21	21.26	11.96	12.48	9.65	60.84	10.96	49.71	15.61	40.52
17	24.64	26.23	16.98	20.98	11.84	12.09	9.66	60.47	11.05	49.40	15.78	40.26
18	24.35	26.15	16.77	20.70	11.74	11.71	9.66	60.12	11.12	49.09	15.97	39.99
19	24.07	26.05	16.58	20.41	11.65	11.34	9.65	59.77	11.19	48.76	16.18	39.72
20	23.79	25.93	16.40	20.12	11.56	10.99	9.62	59.42	11.26	48.41	16.40	39.45
21	23.53	25.80	16.23	19.84	11.46	10.65	9.58	59.06	11.35	48.04	16.64	39.20
22	23.29	25.65	16.05	19.58	11.36	10.33	9.55	58.67	11.46	47.67	16.89	38.97
23	23.05	25.50	15.86	19.34	11.24	10.01	9.53	58.27	11.60	47.29	17.13	38.76
24	22.83	25.36	15.66	19.10	11.10	9.67	9.53	57.85	11.75	46.92	17.37	38.58
25	22.61	25.24	15.44	18.86	10.96	9.31	9.54	57.43	11.91	46.56	17.60	38.41
26	22.38	25.13	15.22	18.61	10.82	8.95	9.57	57.01	12.07	46.23	17.82	38.26
27	22.13	25.03	14.99	18.33	10.69	8.56	9.62	56.59	12.24	45.92	18.03	38.11
28	21.87	24.93	14.77	18.03	10.58	8.15	9.68	56.19	12.40	45.64	18.24	37.96
29	21.60	24.82	14.55	17.71	10.49	7.74	9.74	55.81	12.55	45.37	18.44	37.81
30	21.32	24.69	14.35	17.37	10.42	7.33	9.81	55.45	12.69	45.10	18.64	37.64
31	21.03	24.53			10.37	6.92	9.86	55.10	12.83	44.82	18.85	37.46
32	20.74	24.34			10.32	6.53			12.97	44.55		

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−85° 7′ 30″	11.767	−11.725	−85° 7′ 50″	11.781	−11.738	−85° 8′ 10″	11.794	−11.752
40	11.774	−11.731	8 0	11.787	−11.745	20	11.801	−11.758
50	11.781	−11.738	10	11.794	−11.752	30	11.807	−11.765

$\alpha_{1928.0} = 1^h\ 41^m\ 22^s.13$ $\delta_{1928.0} = -85°\ 8'\ 1''.75$

Sa) Octantis 4 G. $5^m.63$

Tag	Juli AR.	Juli Dekl.	August AR.	August Dekl.	September AR.	September Dekl.	Oktober AR.	Oktober Dekl.	November AR.	November Dekl.	Dezember AR.	Dezember Dekl.
		—		—		—		—		—		—
	1^h41^m	85° 7′	1^h41^m	85° 7′	1^h41^m	85° 7′	1^h41^m	85° 7′	1^h41^m	85° 7′	1^h41^m	85° 8′
1	18.85	37.46	26.56	34.98	33.80	38.13	38.10	45.63	38.10	55.46	34.00	3.01
2	19.08	37.28	26.84	34.96	34.02	38.34	38.15	45.96	38.02	55.71	33.84	3.17
3	19.31	37.10	27.12	34.97	34.21	38.57	38.18	46.28	37.96	55.97	33.68	3.35
4	19.55	36.91	27.41	35.00	34.37	38.81	38.21	46.57	37.90	56.23	33.51	3.55
5	19.81	36.73	27.68	35.05	34.52	39.04	38.24	46.84	37.85	56.50	33.31	3.77
6	20.09	36.57	27.93	35.13	34.66	39.25	38.29	47.10	37.79	56.80	33.10	3.98
7	20.36	36.43	28.17	35.22	34.81	39.46	38.36	47.36	37.71	57.12	32.88	4.19
8	20.63	36.31	28.39	35.31	34.97	39.65	38.43	47.62	37.62	57.44	32.64	4.38
9	20.89	36.22	28.61	35.39	35.13	39.82	38.50	47.90	37.51	57.76	32.40	4.56
10	21.14	36.14	28.81	35.45	35.31	40.00	38.57	48.20	37.39	58.08	32.15	4.73
11	21.37	36.07	29.02	35.50	35.50	40.19	38.64	48.52	37.25	58.39	31.91	4.87
12	21.59	36.00	29.25	35.54	35.70	40.40	38.69	48.86	37.10	58.68	31.67	4.99
13	21.80	35.91	29.50	35.57	35.89	40.63	38.72	49.21	36.95	58.95	31.44	5.10
14	22.01	35.80	29.76	35.62	36.07	40.89	38.73	49.55	36.80	59.21	31.21	5.19
15	22.23	35.68	30.02	35.68	36.23	41.16	38.73	49.90	36.65	59.46	30.99	5.28
16	22.47	35.55	30.28	35.76	36.38	41.45	38.72	50.24	36.50	59.70	30.79	5.38
17	22.73	35.42	30.54	35.87	36.51	41.74	{38.70 {38.67	50.57} 50.89}	36.37	59.93	30.59	5.48
18	23.01	35.31	30.79	36.00	36.63	42.03	38.65	51.20	36.26	60.15	30.38	5.58
19	23.30	35.22	31.02	36.15	36.75	42.32	38.64	51.48	36.14	60.38	30.16	5.70
20	23.58	35.15	31.25	36.31	36.86	42.59	38.63	51.76	36.02	60.62	29.92	5.83
21	23.86	35.11	31.46	36.47	36.96	42.85	38.63	52.03	35.89	60.87	29.67	5.96
22	24.13	35.09	31.66	36.63	37.06	43.10	38.64	52.31	35.75	61.14	29.41	6.08
23	24.38	35.09	31.86	36.79	37.17	43.35	38.64	52.61	35.59	61.41	29.13	6.18
24	24.63	35.10	32.05	36.94	37.29	43.59	38.64	52.92	35.40	61.68	28.84	6.25
25	24.87	35.10	32.24	37.08	37.42	43.83	38.63	53.25	35.19	61.94	28.56	6.28
26	25.10	35.10	32.44	37.21	37.56	44.08	38.60	53.59	34.97	62.17	28.29	6.30
27	25.32	35.09	32.65	37.34	37.69	44.36	38.55	53.94	34.76	62.37	28.03	6.29
28	25.55	35.08	32.88	37.47	37.82	44.66	38.48	54.28	34.55	62.55	27.79	6.29
29	25.79	35.06	33.11	37.60	37.94	44.97	38.39	54.61	34.35	62.71	27.56	6.29
30	26.03	35.03	33.34	37.75	38.03	45.30	38.29	54.92	34.17	62.86	27.34	6.30
31	26.29	35.01	33.57	37.93	38.10	45.63	38.19	55.20	34.00	63.01	27.12	6.33
32	26.56	34.98	33.80	38.13			38.10	55.46			26.88	6.37

δ	sec δ	tg δ	δ	sec δ	tg δ
−85° 7′ 30″	11.767	−11.725	−85° 7′ 50″	11.781	−11.738
40	11.774	−11.731	8 0	11.787	−11.745
50	11.781	−11.738	10	11.794	−11.752

$a = -3.6$ $b = -0.708$ $a' = +18.1$ $b' = -0.428$

Scheinbare Sternörter 1928

Sb) ξ Mensae $5^m.85$

Tag	Januar AR.	Januar Dekl.	Februar AR.	Februar Dekl.	März AR.	März Dekl.	April AR.	April Dekl.	Mai AR.	Mai Dekl.	Juni AR.	Juni Dekl.
	$5^h\ 7^m$	—82° 34′	$5^h\ 7^m$	—82° 34′	$5^h\ 6^m$	—82° 34′	$5^h\ 6^m$	—82° 34′	$5^h\ 6^m$	—82° 34′	$5^h\ 6^m$	—82° 33′
1	12.40	17.49	8.20	24.68	62.82	27.03	56.91	24.49	52.28	17.90	49.60	68.31
2	12.30	17.82	8.01	24.84	62.62	27.00	56.74	24.31	52.17	17.64	49.55	68.01
3	12.19	18.15	7.83	24.97	62.42	26.96	56.58	24.14	52.06	17.39	49.50	67.70
4	12.07	18.46	7.65	25.07	62.23	26.91	56.42	23.98	51.94	17.15	49.45	67.37
5	11.95	18.75	7.48	25.17	62.05	26.86	56.26	23.83	51.82	16.90	49.40	67.03
6	11.84	19.01	7.32	25.27	61.87	26.82	56.09	23.69	51.70	16.64	49.36	66.67
7	11.72	19.25	7.15	25.37	61.68	26.79	55.92	23.54	51.58	16.38	49.33	66.29
8	11.60	19.48	6.98	25.48	61.50	26.77	55.75	23.40	51.46	16.10	49.31	65.90
9	11.48	19.70	6.82	25.60	61.31	26.76	55.57	23.25	51.34	15.80	49.29	65.51
10	11.37	19.93	6.65	25.73	61.13	26.75	55.39	23.08	51.23	15.48	49.28	65.13
11	11.27	20.17	6.48	25.87	60.94	26.74	55.21	22.88	51.12	15.14	49.27	64.77
12	11.16	20.41	6.30	26.01	60.74	26.73	55.04	22.66	51.02	14.79	49.27	64.43
13	11.04	20.66	6.12	26.14	60.53	26.70	54.87	22.42	50.93	14.44	49.27	64.11
14	10.92	20.92	5.93	26.27	60.32	26.65	54.71	22.17	50.85	14.10	49.26	63.81
15	10.80	21.19	5.73	26.38	60.12	26.58	54.55	21.91	50.77	13.78	49.24	63.51
16	10.66	21.47	5.54	26.47	59.92	26.49	54.40	21.65	50.69	13.49	49.23	63.20
17	10.52	21.74	5.34	26.54	59.73	26.37	54.26	21.41	50.61	13.21	49.21	62.88
18	10.37	21.99	5.14	26.58	59.54	26.23	54.12	21.19	50.52	12.93	49.19	62.53
19	10.22	22.23	4.95	26.60	59.35	26.09	53.98	20.98	50.43	12.66	49.18	62.16
20	10.06	22.45	4.76	26.62	59.17	25.97	53.83	20.79	50.33	12.37	49.18	61.78
21	9.91	22.64	4.58	26.64	58.99	25.86	53.68	20.60	50.23	12.06	49.19	61.40
22	9.76	22.81	4.40	26.66	58.81	25.77	53.52	20.40	50.14	11.72	49.22	61.01
23	9.61	22.97	4.23	26.69	58.63	25.70	53.36	20.18	50.06	11.36	49.25	60.63
24	9.46	23.12	4.04	26.75	58.44	25.63	53.20	19.93	49.99	10.99	49.28	60.28
25	9.31	23.28	3.85	26.83	58.24	25.56	53.05	19.66	49.92	10.62	49.32	59.95
26	9.17	23.45	3.65	26.91	58.04	25.48	52.90	19.37	49.86	10.26	49.35	59.63
27	9.03	23.65	3.45	26.98	57.84	25.37	52.76	19.07	49.81	9.90	49.38	59.33
28	8.88	23.86	3.24	27.03	57.64	25.22	52.63	18.76	49.77	9.55	49.41	59.03
29	8.72	24.08	3.03	27.04	57.45	25.05	52.51	18.46	49.73	9.22	49.44	58.73
30	8.56	24.30	2.82	27.03	57.26	24.87	52.39	18.17	49.69	8.91	49.48	58.43
31	8.38	24.50			57.08	24.68	52.28	17.90	49.65	8.61	49.51	58.12
32	8.20	24.68			56.91	24.49			49.60	8.31		

δ	sec δ	tg δ	δ	sec δ	tg δ
—82° 33′ 50″	7.727	—7.662	—82° 34′ 10″	7.732	—7.668
34 0	7.730	—7.665	20	7.735	—7.670
10	7.732	—7.668	30	7.738	—7.673

$\alpha_{1928.0} = 5^h\ 7^m\ 0^s.25$ $\delta_{1928.0} = -82°\ 34'\ 9''.55$

Sb) ξ Mensae $5^m.85$

Tag	Juli		August		September		Oktober		November		Dezember	
	AR.	Dekl.	AR.	Dekl.	AR.	Dekl.	AR.	Dekl.	AR.	Dekl.	AR.	Dekl.
	$5^h\ 6^m$	— 82° 33′	$5^h\ 6^m$	— 82° 33′	$5^h\ 6^m$	— 82° 33′	$5^h\ 7^m$	— 82° 33′	$5^h\ 7^m$	— 82° 33′	$5^h\ 7^m$	— 82° 34′
	s	″	s	″	s	″	s	″	s	″	s	″
1	49.51	58.12	52.01	49.01	56.49	43.90	1.40	44.50	5.38	50.72	6.90	0.01
2	49.54	57.80	52.13	48.73	56.67	43.83	1.56	44.66	5.46	50.99	6.90	0.30
3	49.58	57.46	52.26	48.45	56.85	43.79	1.71	44.83	5.54	51.24	6.90	0.59
4	49.62	57.10	52.40	48.19	57.02	43.77	1.84	44.99	5.62	51.48	6.91	0.89
5	49.66	56.73	52.54	47.96	57.17	43.76	1.97	45.14	5.70	51.72	6.92	1.21
6	49.72	56.36	52.68	47.76	57.32	43.75	2.10	45.27	5.79	51.96	6.92	1.54
7	49.79	56.00	52.82	47.58	57.47	43.74	2.24	45.39	5.88	52.22	6.92	1.89
8	49.86	55.66	52.95	47.42	57.62	43.72	2.39	45.49	5.97	52.50	6.91 6.89	2.26 2.63
9	49.94	55.34	53.07	47.26	57.77	43.67	2.54	45.60	6.06	52.81	6.86	3.00
10	50.01	55.04	53.19	47.10	57.93	43.61	2.69	45.73	6.15	53.13	6.83	3.36
11	50.09	54.77	53.31	46.92	58.09	43.55	2.85	45.87	6.23	53.46	6.79	3.72
12	50.16	54.51	53.43	46.72	58.26	43.49	3.00	46.04	6.29	53.80	6.75	4.06
13	50.22	54.25	53.56	46.52	58.43	43.45	3.15	46.23	6.35	54.15	6.70	4.38
14	50.28	53.98	53.69	46.30	58.61	43.44	3.30	46.44	6.40	54.49	6.65	4.69
15	50.34	53.69	53.83	46.08	58.79	43.45	3.44	46.66	6.45	54.82	6.61	4.98
16	50.40	53.37	53.98	45.87	58.97	43.49	3.57	46.89	6.50	55.14	6.56	5.27
17	50.48	53.04	54.14	45.67	59.14	43.54	3.69	47.12	6.54	55.44	6.52	5.55
18	50.56	52.70	54.30	45.50	59.31	43.61	3.81	47.35	6.59	55.73	6.47	5.84
19	50.65	52.37	54.46	45.35	59.47	43.68	3.93	47.57	6.63	56.01	6.43	6.14
20	50.75	52.05	54.62	45.23	59.63	43.76	4.04	47.78	6.67	56.29	6.38	6.47
21	50.85	51.75	54.78	45.13	59.78	43.83	4.15	47.98	6.72	56.58	6.33	6.82
22	50.96	51.47	54.93	45.03	59.93	43.89	4.27	48.17	6.77	56.89	6.27	7.18
23	51.07	51.21	55.08	44.94	60.08	43.94	4.39	48.36	6.82	57.21	6.19	7.54
24	51.18	50.97	55.22	44.85	60.24	43.97	4.52	48.56	6.86	57.55	6.11	7.89
25	51.29	50.74	55.37	44.74	60.40	44.00	4.65	48.76	6.89	57.92	6.01	8.22
26	51.39	50.51	55.51	44.63	60.56	44.04	4.78	48.98	6.91	58.30	5.91	8.52
27	51.49	50.28	55.66	44.51	60.73	44.09	4.90	49.24	6.92	58.68	5.82	8.79
28	51.59	50.05	55.82	44.38	60.90	44.15	5.02	49.52	6.92	59.05	5.73	9.05
29	51.69	49.81	55.98	44.25	61.07	44.24	5.12	49.82	6.91	59.40	5.64	9.30
30	51.79	49.56	56.14	44.12	61.24	44.36	5.21	50.13	6.90	59.72	5.56	9.55
31	51.90	49.29	56.31	44.00	61.40	44.50	5.30	50.43	6.90	60.01	5.48	9.81
32	52.01	49.01	56.49	43.90			5.38	50.72			5.39	10.09

δ	sec δ	tg δ	δ	sec δ	tg δ
—82° 33′ 40″	7.724	—7.659	—82° 34′ 0″	7.730	—7.665
50	7.727	—7.662	10	7.732	—7.668
60	7.730	—7.665	20	7.735	—7.670

$a = -6.9$ $b = -0.117$ $a' = +4.6$ $b' = -0.973$

Sc) ζ Octantis $5^m.38$

Tag	Januar AR.	Januar Dekl.	Februar AR.	Februar Dekl.	März AR.	März Dekl.	April AR.	April Dekl.	Mai AR.	Mai Dekl.	Juni AR.	Juni Dekl.
	$9^h\ 7^m$	—85° 22′	$9^h\ 7^m$	—85° 22′	$9^h\ 7^m$	—85° 22′	$9^h\ 7^m$	—85° 22′	$9^h\ 7^m$	—85° 22′	$9^h\ 7^m$	—85° 22′
	s	″	s	″	s	″	s	″	s	″	s	″
1	43.42	19.77	45.10	30.94	42.28	42.00	35.72	50.97	27.47	55.70	18.75	55.82
2	43.57	20.10	45.07	31.37	42.09	42.34	35.46	51.16	27.20	55.77	18.50	55.77
3	43.72	20.45	45.03	31.79	41.90	42.66	35.21	51.34	26.94	55.84	18.25	55.71
4	43.85	20.82	44.96	32.18	41.71	42.95	34.97	51.53	26.68	55.92	17.99	55.66
5	43.97	21.21	44.89	32.55	41.53	43.24	34.74	51.74	26.41	56.01	17.72	55.59
6	44.07	21.59	44.81	32.91	41.36	43.53	34.51	51.95	26.14	56.10	17.44	55.50
7	44.15	21.96	44.74	33.26	41.19	43.82	34.28	52.17	25.86	56.19	17.15	55.39
8	44.21	22.31	44.68 / 44.62	33.59 / 33.93	41.03	44.12	34.04	52.40	25.57	56.27	16.86	55.26
9	44.27	22.64	44.57	34.27	40.88	44.44	33.79	52.63	25.27	56.34	16.58	55.11
10	44.33	22.96	44.53	34.63	40.72	44.76	33.52	52.85	24.95	56.39	16.31	54.94
11	44.40	23.28	44.49	35.00	40.55	45.09	33.25	53.07	24.62	56.41	16.06	54.77
12	44.47	23.60	44.44	35.39	40.37	45.43	32.96	53.28	24.30	56.41	15.83	54.60
13	44.55	23.91	44.38	35.78	40.18	45.78	32.65	53.46	23.99	56.40	15.61	54.45
14	44.63	24.24	44.31	36.19	39.98	46.12	32.34	53.61	23.70	56.38	15.40	54.33
15	44.72	24.59	44.22	36.59	39.76	46.44	32.04	53.75	23.42	56.36	15.19	54.23
16	44.81	24.95	44.12	36.98	39.53	46.75	31.75	53.87	23.15	56.35	14.97	54.13
17	44.88	25.33	44.00	37.36	39.29	47.03	31.47	53.99	22.90	56.36	14.73	54.03
18	44.95	25.71	43.87	37.73	39.05	47.30	31.20	54.12	22.64	56.38	14.48	53.91
19	45.01	26.11	43.73	38.08	38.81	47.55	30.95	54.25	22.38	56.42	14.22	53.77
20	45.05	26.51	43.58	38.42	38.58	47.80	30.70	54.40	22.11	56.46	13.96	53.60
21	45.07	26.90	43.44	38.74	38.35	48.04	30.44	54.58	21.82	56.49	13.70	53.40
22	45.08	27.29	43.31	39.05	38.14	48.29	30.17	54.77	21.52	56.50	13.45	53.19
23	45.07	27.66	43.20	39.37	37.94	48.56	29.89	54.95	21.20	56.49	13.22	52.97
24	45.05	28.01	43.09	39.71	37.74	48.86	29.59	55.11	20.89	56.44	13.01	52.75
25	45.04	28.35	42.98	40.08	37.54	49.17	29.28	55.25	20.59	56.37	12.82	52.52
26	45.04	28.68	42.87	40.47	37.32	49.48	28.96	55.37	20.29	56.29	12.63	52.31
27	45.05	29.01	42.75	40.87	37.07	49.78	28.64	55.46	20.00	56.20	12.45	52.11
28	45.06	29.36	42.62	41.26	36.81	50.07	28.34	55.53	19.74	56.11	12.28	51.92
29	45.08	29.73	42.46	41.64	36.54	50.33	28.04	55.59	19.48	56.02	12.11	51.73
30	45.10	30.12	42.28	42.00	36.27	50.57	27.75	55.64	19.24	55.94	11.93	51.55
31	45.11	30.52			35.99	50.78	27.47	55.70	19.00	55.88	11.74	51.37
32	45.10	30.94			35.72	50.97			18.75	55.82		

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
—85° 22′ 10″	12.387	—12.346	—85° 22′ 30″	12.402	—12.361	—85° 22′ 50″	12.417	—12.376
20	12.394	—12.354	40	12.409	—12.369	60	12.424	—12.384
30	12.402	—12.361	50	12.417	—12.376			

$\alpha_{1928.0} = 9^h\ 7^m\ 28^s.41$ $\delta_{1928.0} = -85°\ 22'\ 38''.15$

Sc) ζ Octantis $5^m.38$

Tag	Juli AR.	Juli Dekl.	August AR.	August Dekl.	September AR.	September Dekl.	Oktober AR.	Oktober Dekl.	November AR.	November Dekl.	Dezember AR.	Dezember Dekl.
		—		—		—		—		—		—
	$9^h\ 7^m$	85° 22′	$9^h\ 7^m$	85° 22′	$9^h\ 7^m$	85° 22′	$9^h\ 7^m$	85° 22′	$9^h\ 7^m$	85° 22′	$9^h\ 7^m$	85° 22′
	s	″	s	″	s	″	s	″	s	″	s	″
1	11.74	51.37	7.58	43.11	7.80	33.39	12.27	25.79	19.83	22.70	27.48	25.44
2	11.54	51.17	7.49	42.78	7.89	33.07	12.51	25.62	20.08	22.73	27.68	25.61
3	11.34	50.96	7.41	42.44	8.01	32.76	12.75	25.48	20.32	22.75	27.88	25.77
4	11.13	50.73	7.35	42.10	8.13	32.48	12.97	25.35	20.55	22.76	28.09	25.92
5	10.93	50.49	7.30	41.75	8.26	32.22	13.17	25.22	20.78	22.75	28.31	26.08
6	10.72	50.23	7.28	41.41	8.38	31.98	13.37	25.09	21.03	22.73	28.54	26.25
7	10.52	49.95	7.27	41.09	8.50	31.75	13.56	24.94	21.29	22.72	28.79	26.44
8	10.35	49.66	7.27	40.80	8.60	31.51	13.76	24.77	21.56	22.71	29.04	26.66
9	10.19	49.38	7.27	40.52	8.69	31.25	13.96	24.59	21.84	22.72	29.28	26.90
10	10.06	49.11	7.26	40.26	8.78	30.98	14.17	24.40	22.14	22.76	29.51	27.15
11	9.93	48.86	7.24	39.99	8.87	30.69	14.40	24.21	22.43	22.81	29.74	27.41
12	9.81	48.63	7.20	39.72	8.97	30.39	14.64	24.04	22.72	22.88	29.95	27.68
13	9.68	48.42	7.16	39.43	9.09	30.08	14.90	23.89	23.01	22.98	30.14	27.96
14	9.55	48.21	7.12	39.11	9.23	29.77	15.16	23.76	23.28	23.08	30.33	28.23
15	9.40	47.99	7.09	38.77	9.38	29.48	15.43	23.65	23.54	23.19	30.50	28.49
16	9.24	47.76	7.07	38.42	9.55	29.20	15.70	23.56	23.80	23.30	30.66	28.74
17	9.07	47.50	7.07	38.07	9.73	28.94	15.97	23.48	24.04	23.41	30.82	28.98
18	8.91	47.21	7.10	37.72	9.92	28.70	16.23	23.41	24.28	23.51	30.98	29.21
19	8.76	46.90	7.14	37.38	10.11	28.48	16.48	23.35	24.51	23.61	31.15	29.44
20	8.62	46.58	7.19	37.05	10.29	28.27	16.72	23.28	24.74	23.69	31.33	29.68
21	8.51	46.26	7.24	36.74	10.46	28.06	16.95	23.21	24.97	23.77	31.52	29.93
22	8.41	45.94	7.30	36.45	10.63	27.86	17.17	23.14	25.22	23.85	31.72	30.21
23	8.32	45.64	7.36	36.17	10.79	27.65	17.40	23.05	25.48	23.94	31.91	30.52
24	8.23	45.34	7.42	35.89	10.94	27.43	17.63	22.94	25.76	24.06	32.10	30.86
25	8.16	45.06	7.47	35.61	11.10	27.19	17.87	22.84	26.04	24.21	32.27	31.21
26	8.10	44.79	7.51	35.33	11.25	26.94	18.13	22.75	26.32	24.39	32.41	31.57
27	8.03	44.53	7.54	35.04	11.41	26.69	18.41	22.67	26.59	24.60	32.53	31.92
28	7.95	44.26	7.57	34.74	11.60	26.44	18.71	22.62	26.84	24.82	32.64	32.25
29	7.87	43.99	7.61	34.42	11.81	26.20	19.00	22.61	27.07	25.04	32.74	32.56
30	7.78	43.72	7.65	34.08	12.04	25.98	19.29	22.62	27.28	25.25	32.84	32.85
31	7.68	43.43	7.72	33.73	12.27	25.79	19.57	22.65	27.48	25.44	32.95	33.13
32	7.58	43.11	7.80	33.39			19.83	22.70			33.06	33.42

δ	sec δ	tg δ	δ	sec δ	tg δ
−85° 22′ 20″	12.394	−12.354	−85° 22′ 40″	12.409	−12.369
30	12.402	−12.361	50	12.417	−12.376
40	12.409	−12.369	60	12.424	−12.384

$a = -8.2$ $b = +0.602$ $a' = -14.6$ $b' = -0.684$

S/) ι Octantis $5^{m}.38$

Tag	Januar AR.	Januar Dekl.	Februar AR.	Februar Dekl.	März AR.	März Dekl.	April AR.	April Dekl.	Mai AR.	Mai Dekl.	Juni AR.	Juni Dekl.
		—		—		—		—		—		—
	$12^h 47^m$	84° 43′	$12^h 47^m$	84° 43′	$12^h 47^m$	84° 43′	$12^h 47^m$	84° 43′	$12^h 47^m$	84° 44′	$12^h 47^m$	84° 44′
1	$9^s.80$	31″.81	$17^s.28$	37″.11	$22^s.30$	46″.20	$24^s.56$	58″.02	$23^s.41$	9″.37	$19^s.38$	18″.13
2	10.08	31.87	17.52	37.40	22.44	46.60	24.54	58.40	23.32	9.67	19.24	18.35
3	10.37	31.95	17.75	37.70	22.55	47.00	{24.53 / 24.52}	{58.76 / 59.11}	23.24	9.97	19.09	18.58
4	10.66	32.05	17.96	38.01	22.64	47.38	24.52	59.46	23.16	10.28	18.93	18.81
5	10.95	32.18	18.14	38.31	22.73	47.74	24.52	59.81	23.09	10.60	18.76	19.05
6	11.22	32.33	18.31	38.60	22.81	48.09	24.53	60.16	23.02	10.93	18.58	19.28
7	11.48	32.48	18.48	38.88	22.90	48.43	24.55	60.52	22.94	11.26	18.39	19.51
8	11.72	32.64	18.64	39.14	22.98	48.77	24.57	60.89	22.85	11.60	18.18	19.72
9	11.95	32.80	18.81	39.40	23.07	49.10	24.59	61.27	22.75	11.95	17.95	19.91
10	12.16	32.94	18.99	39.66	23.18	49.44	24.60	61.67	22.63	12.29	17.73	20.07
11	12.38	33.07	19.18	39.92	23.30	49.79	24.59	62.08	22.49	12.63	17.51	20.21
12	12.60	33.19	19.37	40.18	23.41	50.15	24.57	62.50	22.34	12.95	17.31	20.34
13	12.83	33.31	19.57	40.46	23.53	50.53	24.53	62.91	22.18	13.25	17.13	20.48
14	13.07	33.43	19.77	40.76	23.64	50.92	24.48	63.30	22.03	13.52	16.96	20.62
15	13.32	33.56	19.97	41.07	23.73	51.33	24.42	63.68	21.88	13.77	16.80	20.78
16	13.57	33.69	20.17	41.40	23.82	51.74	24.35	64.04	21.75	14.02	16.65	20.95
17	13.83	33.84	20.36	41.75	23.90	52.16	24.28	64.38	21.64	14.28	16.48	21.14
18	14.10	34.02	20.53	42.11	23.95	52.57	24.23	64.71	21.54	14.56	16.30	21.33
19	14.36	34.22	20.68	42.47	23.99	52.96	24.19	65.05	21.44	14.85	16.10	21.51
20	14.62	34.43	20.82	42.82	24.02	53.34	24.17	65.40	21.33	15.16	15.87	21.67
21	14.87	34.66	20.95	43.16	24.05	53.71	24.16	65.76	21.21	15.47	15.64	21.82
22	15.10	34.90	21.08	43.49	24.08	54.06	24.15	66.14	21.07	15.79	15.40	21.94
23	15.31	35.14	21.20	43.81	24.13	54.41	24.12	66.53	20.91	16.09	15.16	22.03
24	15.51	35.37	21.33	44.11	24.20	54.76	24.08	66.93	20.74	16.38	14.94	22.11
25	15.71	35.58	21.48	44.42	24.28	55.13	24.01	67.33	20.56	16.65	14.72	22.18
26	15.90	35.79	21.65	44.74	24.36	55.52	23.93	67.72	20.38	16.89	14.50	22.24
27	16.10	35.98	21.82	45.07	24.43	55.93	23.83	68.08	20.19	17.11	14.30	22.30
28	16.31	36.17	21.99	45.43	24.49	56.35	23.73	68.42	20.01	17.31	14.11	22.37
29	16.54	36.37	22.15	45.81	24.53	56.78	23.62	68.75	19.84	17.51	13.93	22.44
30	16.78	36.59	22.30	46.20	24.56	57.20	23.51	69.07	19.68	17.72	13.74	22.53
31	17.03	36.84			24.57	57.62	23.41	69.37	19.53	17.92	13.54	22.62
32	17.28	37.11			24.56	58.02			19.38	18.13		

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−84° 43′ 30″	10.877	−10.831	−84° 43′ 50″	10.889	−10.843	−84° 44′ 10″	10.900	−10.854
40	10.883	−10.837	44 0	10.894	−10.848	20	10.906	−10.860
50	10.889	−10.843	10	10.900	−10.854	30	10.911	−10.866

$\alpha_{1928.0} = 12^h\ 47^m\ 13^s.68$ $\delta_{1928.0} = -84°\ 43'\ 58''.10$

Sd) ι Octantis $5^m.38$

Tag	Juli AR.	Juli Dekl.	August AR.	August Dekl.	September AR.	September Dekl.	Oktober AR.	Oktober Dekl.	November AR.	November Dekl.	Dezember AR.	Dezember Dekl.
		—		—		—		—		—		—
	$12^h 47^m$	84° 44′	$12^h 47^m$	84° 44′	$12^h 46^m$	84° 44′	$12^h 46^m$	84° 43′	$12^h 47^m$	84° 43′	$12^h 47^m$	84° 43′
	s	″	s	″	s	″	s	″	s	″	s	″
1	13.54	22.62	6.87	22.11	61.42	16.43	59.30	67.80	1.33	58.90	6.81	53.41
2	13.34	22.71	6.64	22.01	61.28	16.15	59.32	67.48	1.48	58.69	7.01	53.33
3	13.13	22.80	6.40	21.89	61.16	15.86	59.36	67.18	1.61	58.49	7.20	53.24
4	12.90	22.89	6.17	21.75	61.06	15.58	59.40	66.90	1.73	58.28	7.40	53.14
5	12.66	22.96	5.95	21.59	60.98	15.31	59.43	66.63	1.85	58.06	7.61	53.02
6	12.41	23.01	5.74	21.42	60.91	15.06	59.45	66.37	1.96	57.82	7.83	52.90
7	12.16	23.03	5.56	21.25	60.84	14.82	59.46	66.11	2.08	57.56	8.07	52.78
8	11.91	23.03	5.39	21.08	60.75	14.60	59.46	65.83	2.21	57.29	8.32	52.67
9	11.68	23.02	5.24	20.93	60.65	14.37	59.46	65.54	2.36	57.03	8.58	52.59
10	11.46	23.00	5.09	20.80	60.54	14.13	59.46	65.23	2.53	56.77	8.85	52.52
11	11.26	22.98	4.93	20.69	60.42	13.88	59.47	64.90	2.71	56.52	9.12	52.47
12	11.08	22.98	4.75	20.58	60.29	13.61	59.48	64.57	2.90	56.29	9.39	52.44
13	10.90	22.99	4.56	20.45	60.17	13.31	59.51	64.23	3.10	56.08	9.65	52.43
14	10.72	23.02	4.36	20.31	60.07	13.00	59.57	63.89	3.30	55.89	9.90	52.43
15	10.52	23.06	4.15	20.15	59.98	12.68	59.64	63.57	3.50	55.71	10.14	52.44
16	10.31	23.09	3.94	19.97	59.91	12.35	59.72	63.27	3.69	55.54	10.37	52.44
17	10.08	23.11	3.74	19.77	59.85	12.03	59.81	62.97	3.88	55.38	10.60	52.44
18	9.84	23.11	3.55	19.55	59.80	11.72	59.91	62.69	4.06	55.22	10.82	52.43
19	9.59	23.09	3.38	19.31	59.76	11.41	60.00	62.42	4.23	55.06	11.04	52.41
20	9.34	23.04	3.22	19.07	59.73	11.12	60.09	62.16	4.39	54.90	11.27	52.38
21	9.10	22.96	3.07	18.84	59.70	10.84	60.16	61.91	4.56	54.73	11.51	52.36
22	8.87	22.88	2.93	18.62	59.67	10.57	60.22	61.65	4.73	54.54	11.77	52.34
23	8.66	22.79	2.80	18.40	59.63	10.30	60.28	61.39	4.91	54.34	12.06	52.34
24	8.45	22.69	2.66	18.20	59.58	10.03	60.34	61.11	5.12	54.15	12.35	52.37
25	8.26	22.60	2.53	18.00	59.52	9.75	60.41	60.82	5.36	53.98	12.65	52.44
26	8.07	22.51	2.40	17.81	59.45	9.46	60.49	60.52	5.61	53.83	12.94	52.53
27	7.88	22.44	2.25	17.62	59.39	9.15	60.58	60.21	5.86	53.71	13.21	52.63
28	7.70	22.37	2.09	17.42	59.34	8.82	60.70	59.90	6.12	53.61	13.47	52.74
29	7.51	22.31	1.92	17.20	59.30	8.48	60.85	59.61	6.37	53.54	13.71	52.85
30	7.31	22.25	1.75	16.96	59.29	8.14	61.01	59.35	6.60	53.47	13.93	52.94
31	7.09	22.19	1.58	16.70	59.30	7.80	61.17	59.12	6.81	53.41	14.15	53.01
32	6.87	22.11	1.42	16.43			61.33	58.90			14.38	53.06

δ	sec δ	tg δ	δ	sec δ	tg δ
−84° 43′ 50″	10.889	−10.843	−84° 44′ 10″	10.900	−10.854
44 0	10.894	−10.848	20	10.906	−10.860
10	10.900	−10.854	30	10.911	−10.866

$a = +6.0$ $b = +0.708$ $a' = -19.6$ $b' = +0.205$

N

Se) Octantis 20 G. $6^m.52$

Tag	Januar AR.	Januar Dekl.	Februar AR.	Februar Dekl.	März AR.	März Dekl.	April AR.	April Dekl.	Mai AR.	Mai Dekl.	Juni AR.	Juni Dekl.
	$14^h 50^m$	— 87° 51′	$14^h 50^m$	— 87° 51′	$14^h 51^m$	— 87° 51′	$14^h 51^m$	— 87° 51′	$14^h 51^m$	— 87° 51′	$14^h 51^m$	— 87° 51′
	s	″	s	″	s	″	s	″	s	″	s	″
1	32.06	13.81	51.98	13.19	10.41	17.53	25.73	26.26	33.59	36.71	33.24	47.80
2	32.67	13.66	52.72	13.28	11.03	17.79	26.05	26.59	33.67	37.05	33.14	48.10
3	33.32	13.53	53.44	13.39	11.61	18.06	26.35	26.92	33.76	37.38	33.03	48.42
4	34.00	13.42	54.13	13.52	12.14	18.33	26.65	27.23	33.86	37.70	32.91	48.75
5	34.70	13.34	54.78	13.65	12.64	18.59	26.97	27.53	33.99 / 34.13	38.02 / 38.36	32.77	49.09
6	35.39	13.28	55.38	13.78	13.13	18.84	27.31	27.83	34.28	38.71	32.59	49.43
7	36.05	13.24	55.96	13.90	13.62	19.07	27.66	28.13	34.42	39.07	32.38	49.78
8	36.67	13.21	56.53	14.01	14.11	19.29	28.03	28.43	34.54	39.44	32.12	50.13
9	37.25	13.19	57.12	14.11	14.61	19.50	28.41	28.74	34.64	39.83	31.82	50.46
10	37.81	13.16	57.72	14.20	15.14	19.71	28.79	29.07	34.70	40.23	31.50	50.77
11	38.36	13.12	58.34	14.28	15.69	19.93	29.17	29.42	34.71	40.63	31.18	51.05
12	38.92	13.06	58.98	14.37	16.26	20.16	29.53	29.79	34.67	41.02	30.89	51.31
13	39.50	13.00	59.65	14.47	16.84	20.41	29.85	30.17	34.61	41.39	30.63	51.57
14	40.09	12.94	60.34	14.59	17.43	20.68	30.13	30.56	34.55	41.74	30.41	51.82
15	40.71	12.88	61.04	14.72	18.00	20.97	30.38	30.95	34.49	42.07	30.23	52.08
16	41.36	12.82	61.74	14.87	18.54	21.27	30.59	31.33	34.46	42.39	30.05	52.36
17	42.03	12.77	62.43	15.05	19.05	21.59	30.77	31.69	34.47	42.70	29.86	52.65
18	42.73	12.73	63.10	15.24	19.53	21.91	30.95	32.03	34.50	43.02	29.64	52.97
19	43.44	12.71	63.73	15.44	19.96	22.23	31.15	32.35	34.56	43.35	29.36	53.30
20	44.15	12.72	64.32	15.65	20.36	22.54	31.38	32.67	34.63	43.71	29.04	53.62
21	44.85	12.75	64.88	15.85	20.76	22.84	31.65	32.99	34.67	44.09	28.67	53.92
22	45.53	12.80	65.42	16.05	21.17	23.12	31.95	33.32	34.66	44.47	28.27	54.20
23	46.18	12.87	65.96	16.24	21.60	23.38	32.27	33.66	34.60	44.86	27.86	54.46
24	46.79	12.93	66.52	16.40	22.06	23.64	32.57	34.03	34.49	45.24	27.45	54.69
25	47.38	12.98	67.10	16.55	22.56	23.91	32.83	34.42	34.34	45.61	27.06	54.91
26	47.96	13.02	67.73	16.71	23.08	24.19	33.05	34.82	34.16	45.97	26.69	55.12
27	48.54	13.05	68.40	16.88	23.60	24.50	33.23	35.22	33.97	46.30	26.33	55.32
28	49.15	13.06	69.08	17.07	24.11	24.84	33.36	35.62	33.80	46.61	25.99	55.53
29	49.80	13.07	69.76	17.29	24.58	25.19	33.45	36.00	33.64	46.91	25.65	55.74
30	50.50	13.09	70.41	17.53	25.01	25.55	33.52	36.36	33.49	47.20	25.32	55.96
31	51.23	13.13			25.39	25.91	33.59	36.71	33.36	47.50	24.99	56.19
32	51.98	13.19			25.73	26.26			33.24	47.80		

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−87° 51′ 10″	26.690	−26.671	−87° 51′ 30″	26.759	−26.740	−87° 51′ 50″	26.829	−26.810
20	26.724	−26.706	40	26.794	−26.775	60	26.864	−26.845
30	26.759	−26.740	50	26.829	−26.810			

$\alpha_{1928.0} = 14^h\ 51^m\ 3^s.35$ $\delta_{1928.0} = -87°\ 51'\ 34''.46$

Se) Octantis 20 G. 6^m.52

Tag	Juli		August		September		Oktober		November		Dezember	
	AR.	Dekl.	AR.	Dekl.	AR.	Dekl.	AR.	Dekl.	AR.	Dekl.	AR.	Dekl.
		—		—		—		—		—		—
	14^h 51^m	87° 51′	14^h 50^m	87° 52′	14^h 50^m	87° 51′	14^h 50^m	87° 51′	14^h 50^m	87° 51′	14^h 50^m	87° 51′
1	24.99	56.19	70.36	0.88	53.52	60.10	40.86	54.32	36.54	45.29	42.44	36.80
2	24.64	56.43	69.77	0.97	52.96	59.95	40.61	54.03	36.64	45.02	42.76	36.59
3	24.27	56.68	69.16	1.05	52.44	59.79	40.41	53.75	36.71	44.77	43.06	36.37
4	23.86	56.93	68.54	1.10	51.98	59.62	40.23	53.49	36.75	44.51	43.36	36.13
5	23.41	57.18	67.93	1.12	51.56	59.45	40.04	53.25	36.76	44.24	43.67	35.88
6	22.93	57.41	67.35	1.12	51.17	59.30	39.83	53.03	36.76	43.95	44.01	35.62
7	22.43	57.62	66.81	1.11	50.78	59.16	39.58	52.81	36.77	43.64	44.38	35.36
8	21.92	57.80	66.31	1.09	50.38	59.04	39.30	52.57	36.79	43.32	44.80	35.09
9	21.41	57.96	65.84	1.09	49.94	58.92	39.00	52.32	36.85	42.98	45.26	34.83
10	20.94	58.10	65.40	1.10	49.47	58.80	38.70	52.05	36.95	42.64	45.74	34.59
11	20.51	58.23	64.95	1.12	48.96	58.68	38.41	51.76	37.09	42.30	46.25	34.36
12	20.12	58.38	64.47	1.16	48.44	58.54	38.14	51.45	37.27	41.97	46.76	34.15
13	19.75	58.53	63.95	1.21	47.92	58.37	37.90	51.13	37.47	41.65	47.27	33.96
14	19.38	58.70	63.38	1.24	47.41	58.18	37.71	50.80	37.70	41.34	47.77	33.79
15	18.99	58.89	62.79	1.26	46.92	57.97	37.55	50.47	37.94	41.05	48.25	33.63
16	18.56	59.09	62.17	1.26	46.46	57.74	37.43	50.15	38.18	40.77	48.71	33.48
17	18.09	59.29	61.54	1.23	46.03	57.50	37.34	49.83	38.40	40.51	49.15	33.33
18	17.58	59.47	60.93	1.18	45.64	57.27	37.26	49.53	38.61	40.26	49.57	33.16
19	17.03	59.64	60.34	1.11	45.28	57.04	37.18	49.24	38.79	40.01	49.99	32.98
20	16.45	59.79	59.78	1.02	44.94	56.82	37.10	48.97	38.96	39.75	50.43	32.79
21	15.87	59.91	59.26	0.93	44.61	56.60	37.00	48.70	39.12	39.48	50.91	32.59
22	15.31	60.01	58.76	0.85	44.28	56.40	36.88	48.43	39.29	39.19	51.44	32.39
23	14.78	60.09	58.28	0.77	43.93	56.21	36.75	48.17	39.50	38.89	52.03	32.19
24	14.27	60.16	57.81	0.69	43.56	56.03	36.60	47.89	39.75	38.58	52.65	32.01
25	13.78	60.23	57.35	0.63	43.17	55.84	36.45	47.59	40.06	38.26	53.30	31.87
26	13.31	60.30	56.88	0.57	42.76	55.64	36.32	47.27	40.43	37.96	53.95	31.75
27	12.85	60.37	56.38	0.51	42.33	55.42	36.24	46.93	40.84	37.68	54.59	31.66
28	12.40	60.46	55.84	0.46	41.91	55.17	36.21	46.58	41.27	37.43	55.20	31.58
29	11.93	60.55	55.27	0.40	41.51	54.90	36.24	46.24	41.69	37.21	55.76	31.51
30	11.44	60.66	54.69	0.32	41.16	54.61	36.32	45.91	42.08	37.00	56.28	31.43
31	10.92	60.77	54.10	0.22	40.86	54.32	36.42	45.59	42.44	36.80	56.78	31.33
32	10.36	60.88	53.52	0.10			36.54	45.29			57.29	31.23

δ	sec δ	tg δ	δ	sec δ	tg δ
−87° 51′ 30″	26.759	−26.740	−87° 51′ 50″	26.829	−26.810
40	26.794	−26.775	52 0	26.864	−26.845
50	26.829	−26.810	10	26.899	−26.880

$a = +27.3$ $b = +1.310$ $a' = -14.7$ $b' = +0.679$

Sf) Octantis 26 G. $6^m.13$

Tag	Januar AR.	Januar Dekl.	Februar AR.	Februar Dekl.	März AR.	März Dekl.	April AR.	April Dekl.	Mai AR.	Mai Dekl.	Juni AR.	Juni Dekl.
		—		—		—		—		—		—
	$16^h 33^m$	86° 14′	$16^h 33^m$	86° 14′	$16^h 33^m$	86° 14′	$16^h 33^m$	86° 14′	$16^h 33^m$	86° 14′	$16^h 34^m$	86° 14′
	s	″	s	″	s	″	s	″	s	″	s	″
1	15.47	9.75	25.55	4.56	37.02	4.15	48.80	8.37	57.56	15.88	2.45	25.88
2	15.72	9.48	25.98	4.47	37.46	4.24	49.11	8.60	57.75	16.16	2.54	26.18
3	16.00	9.21	26.41	4.41	37.87	4.35	49.41	8.81	57.94	16.43	2.63	26.49
4	16.31	8.96	26.82	4.37	38.27	4.46	49.71	9.02	58.15	16.69	2.72	26.82
5	16.64	8.73	27.21	4.34	38.64	4.58	50.01	9.21	58.37	16.95	2.81	27.16
6	16.98	8.52	27.58	4.31	39.00	4.69	50.31	9.40	58.60	17.22	2.88	27.51
7	17.31	8.33	27.94	4.28	39.35	4.78	50.62	9.58	58.83	17.49	2.93	27.88
8	17.62	8.17	28.28	4.25	39.70	4.86	50.95	9.76	59.07	17.77	2.95	28.25
9	17.91	8.01	28.62	4.20	40.05	4.93	51.30	9.95	59.30	18.08	2.95	28.62
10	18.19	7.85	28.97	4.14	40.42	4.99	51.65	10.16	59.53	18.41	2.93	28.97
11	18.46	7.68	29.33	4.07	40.80	5.06	52.00	10.39	59.74	18.75	2.90	29.30
12	18.73	7.50	29.71	4.00	41.20	5.13	52.35	10.63	59.93	19.10	2.87	29.60
13	19.00	7.32	30.10	3.93	41.61	5.22	52.69	10.90	60.09	19.46	2.85	29.89
14	19.27	7.12	30.50	3.87	42.03	5.32	53.02	11.18	60.23	19.81	2.85	30.17
15	19.56	6.91	30.92	3.82	42.45	5.44	53.32	11.47	60.35	20.13	2.88	30.45
16	19.87	6.70	31.36	3.80	42.87	5.59	53.59	11.76	60.47	20.44	2.93	30.74
17	20.20	6.50	31.79	3.80	43.28	5.75	53.84	12.04	60.60	20.73	2.98	31.06
18	20.55	6.31	32.22	3.82	43.67	5.93	54.09	12.29	60.74	21.01	3.01	31.39
19	20.91	6.13	32.64	3.85	44.04	6.12	54.33	12.53	60.91	21.29	3.02	31.74
20	21.29	5.97	33.04	3.90	44.39	6.30	54.59	12.76	61.09	21.59	3.01	32.10
21	21.67	5.84	33.42	3.96	44.72	6.47	54.87	12.98	61.29	21.90	2.96	32.46
22	22.04	5.73	33.78	4.01	45.05	6.62	55.18	13.21	61.48	22.23	2.88	32.81
23	22.40	5.64	34.13	4.04	45.39	6.76	55.50	13.45	61.65	22.58	2.79	33.14
24	22.75	5.55	34.49	4.05	45.74	6.88	55.83	13.72	61.80	22.94	2.70	33.45
25	23.08	5.46	34.86	4.05	46.12	7.01	56.14	14.01	61.92	23.31	2.59	33.74
26	23.39	5.36	35.26	4.04	46.52	7.15	56.44	14.32	62.01	23.68	2.49	34.01
27	23.69	5.25	35.68	4.04	46.93	7.30	56.71	14.64	62.08	24.04	2.41	34.28
28	24.01	5.12	36.11	4.05	47.34	7.48	56.95	14.96	62.14	24.37	2.34	34.54
29	24.35	4.97	36.56	4.09	47.74	7.68	57.17	15.28	62.19	24.69	2.27	34.81
30	24.73	4.82	37.02	4.15	48.12	7.90	57.37	15.59	62.24	25.00	2.21	35.08
31	25.13	4.68			48.47	8.13	57.56	15.88	{62.30 / 62.37	25.30 / 25.59}	2.15	35.37
32	25.55	4.56			48.80	8.37			62.45	25.88		

δ	sec δ	tg δ	δ	sec δ	tg δ
−86° 14′ 0″	15.222	−15.189	−86° 14′ 20″	15.245	−15.212
10	15.233	−15.201	30	15.256	−15.223
20	15.245	−15.212	40	15.267	−15.234

$\alpha_{1928.0} = 16^h\ 33^m\ 41^s.13$ $\delta_{1928.0} = -86°\ 14'\ 20''.97$

Sf) Octantis 26 G. 6^m.13

Tag	Juli AR.	Juli Dekl.	August AR.	August Dekl.	September AR.	September Dekl.	Oktober AR.	Oktober Dekl.	November AR.	November Dekl.	Dezember AR.	Dezember Dekl.
		—		—		—		—		—		—
	16^{h}33^m	86° 14′	16^{h}33^m	86° 14′	16^{h}33^m	86° 14′	16^{h}33^m	86° 14′	16^{h}33^m	86° 14′	16^{h}33^m	86° 14′
	s	″	s	″	s	″	s	″	s	″	s	″
1	62.15	35.37	56.92	43.07	48.10	46.39	39.18	44.27	33.06	37.29	32.44	28.39
2	62.09	35.67	56.66	43.29	47.75	46.39	38.93	44.07	33.00	37.03	32.52	28.13
3	62.01	35.98	56.38	43.50	47.41	46.37	38.71	43.88	32.93	36.79	32.57	27.86
4	61.92	36.30	56.09	43.68	47.10	46.33	38.51	43.69	32.84	36.56	32.62	27.59
5	61.81	36.63	55.79	43.84	46.82	46.28	38.31	43.52	32.72	36.32	32.67	27.30
6	61.67	36.95	55.50	43.98	46.56	46.24	38.11	43.37	32.59	36.07	32.74	26.98
7	61.50	37.26	55.23	44.10	46.31	46.22	37.89	43.23	32.46	35.79	32.82	26.65
8	61.32	37.55	54.98	44.20	46.06	46.21	37.64	43.09	32.33	35.50	32.92	26.31
9	61.14	37.81	54.74	44.31	45.80	46.21	37.38	42.94	32.22	35.18	33.04	25.98
10	60.96	38.05	54.52	44.43	45.51	46.22	37.10	42.78	32.12	34.85	33.18	25.65
11	60.80	38.28	54.31	44.57	45.20	46.23	36.82	42.59	32.05	34.52	33.34	25.33
12	60.67	38.50	54.09	44.73	44.87	46.23	36.55	42.38	31.99	34.18	33.51	25.03
13	60.56	38.72	53.85	44.89	44.52	46.20	36.29	42.15	31.96	33.84	33.70	24.75
14	60.46	38.96	53.59	45.06	44.17	46.15	36.05	41.90	31.95	33.52	33.89	24.48
15	60.35	39.23	53.29	45.22	43.83	46.07	35.82	41.64	31.95	33.21	34.07	24.23
16	60.24	39.51	52.98	45.36	43.50	45.97	35.62	41.38	31.95	32.91	34.24	23.99
17	60.10	39.80	52.65	45.48	43.18	45.87	35.43	41.12	31.96	32.63	34.40	23.75
18	59.92	40.09	52.32	45.57	42.88	45.75	35.25	40.87	31.96	32.36	34.54	23.50
19	59.71	40.37	51.99	45.65	42.60	45.62	35.09	40.64	31.95	32.09	34.68	23.24
20	59.48	40.63	51.67	45.70	42.33	45.50	34.93	40.42	31.92	31.82	34.82	22.97
21	59.25	40.87	51.36	45.75	42.07	45.40	34.77	40.21	31.88	31.54	34.98	22.68
22	59.01	41.09	51.08	45.79	41.82	45.31	34.60	40.01	31.84	31.25	35.17	22.38
23	58.77	41.29	50.81	45.84	41.56	45.22	34.41	39.80	31.82	30.93	35.39	22.07
24	58.55	41.48	50.54	45.89	41.30	45.14	34.21	39.59	31.82	30.59	35.64	21.77
25	58.34	41.66	50.28	45.94	41.03	45.07	34.01	39.36	31.84	30.24	35.92	21.49
26	58.14	41.83	50.01	46.00	40.73	44.99	33.80	39.10	31.90	29.89	36.21	21.24
27	57.94	42.01	49.73	46.08	40.41	44.90	33.61	38.81	31.99	29.54	36.50	21.02
28	57.75	42.20	49.44	46.16	40.09	44.78	33.44	38.51	32.10	29.21	36.78	20.82
29	57.56	42.40	49.13	46.24	39.77	44.64	33.31	38.20	32.22	28.92	37.04	20.62
30	57.36	42.61	48.80	46.31	39.46	44.47	33.20	37.88	32.34	28.65	37.28	20.42
31	57.15	42.84	48.45	46.36	39.18	44.27	33.12	37.57	32.44	28.39	37.50	20.22
32	56.92	43.07	48.10	46.39			33.06	37.29			37.71	20.01

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−86° 14′ 20″	15.245	−15.212	−86° 14′ 30″	15.256	−15.223	−86° 14′ 40″	15.267	−15.234
30	15.256	−15 223	40	15 267	−15.234	50	15.278	−15.246

$a = +22.0$ $b = +0.373$ $a' = -7.4$ $b' = +0.930$

Sg) χ Octantis $5^m.22$

Tag	Januar AR.	Januar Dekl.	Februar AR.	Februar Dekl.	März AR.	März Dekl.	April AR.	April Dekl.	Mai AR.	Mai Dekl.	Juni AR.	Juni Dekl.
		—		—		—		—		—		—
	$18^h 12^m$	87° 39′	$18^h 12^m$	87° 39′	$18^h 12^m$	87° 39′	$18^h 12^m$	87° 39′	$18^h 13^m$	87° 39′	$18^h 13^m$	87° 39′
	s	″	s	″	s	″	s	″	s	″	s	″
1	0.17	44.04	11.03	35.24	27.30	30.22	47.27	29.30	5.15	32.66	18.84	39.70
2	0.34	43.69	11.59	34.98	27.99	30.13	47.88	29.39	5.62	32.84	19.15	39.94
3	0.56	43.33	12.16	34.75	28.67	30.06	48.47	29.47	6.10	33.00	19.49	40.18
4	0.83	42.98	12.72	34.55	29.32	30.00	49.03	29.53	6.58	33.16	19.84	40.43
5	1.14	42.64	13.26	34.37	29.93	29.95	49.60	29.59	7.08	33.31	20.20	40.70
6	1.47	42.32	13.78	34.20	30.52	29.90	50.17	29.63	7.59	33.47	20.56	40.98
7	1.81	42.02	14.27	34.03	31.09	29.84	50.76	29.67	8.12	33.63	20.91	41.29
8	2.14	41.75	14.73	33.85	31.65	29.77	51.36	29.70	8.66	33.81	21.24	41.62
9	2.45	41.49	15.18	33.67	32.21	29.69	51.98	29.73	9.21	34.00	21.53	41.95
10	2.74	41.23	15.64	33.47	32.79	29.59	52.63	29.78	9.76	34.21	21.78	42.29
11	3.00	40.96	16.12	33.26	33.39	29.50	53.30	29.85	10.30	34.44	21.99	42.62
12	3.26	40.69	16.61	33.04	34.02	29.41	53.97	29.93	10.81	34.70	22.17	42.94
13	3.51	40.41	17.13	32.82	34.68	29.32	54.65	30.04	11.29	34.97	22.34	43.23
14	3.77	40.11	17.68	32.60	35.35	29.24	55.31	30.17	11.73	35.23	22.52	43.50
15	4.05	39.80	18.26	32.39	36.05	29.19	55.94	30.32	12.14	35.48	22.72	43.75
16	4.35	39.49	18.87	32.20	36.76	29.15	56.53	30.48	12.53	35.71	22.96	44.00
17	4.69	39.18	19.49	32.02	37.46	29.14	57.09	30.63	12.91	35.93	23.22	44.26
18	5.06	38.86	20.13	31.87	38.15	29.14	57.63	30.76	13.31	36.12	23.50	44.54
19	5.46	38.55	20.75	31.74	38.81	29.16	58.16	30.88	13.75	36.31	23.78	44.84
20	5.89	38.26	21.36	31.62	39.42	29.19	58.70	30.98	14.22	36.50	24.04	45.16
21	6.34	37.99	21.95	31.51	40.02	29.21	59.27	31.07	14.71	36.71	24.26	45.50
22	6.80	37.74	22.51	31.40	40.61	29.21	59.87	31.15	15.22	36.94	24.43	45.85
23	7.25	37.51	23.04	31.28	41.20	29.19	60.50	31.24	15.72	37.20	24.56	46.20
24	7.68	37.29	23.57	31.15	41.80	29.16	61.16	31.36	16.19	37.49	24.65	46.55
25	8.09	37.08	24.11	31.00	42.43	29.13	61.82	31.50	16.61	37.78	{24.72 / 24.78	46.88 / 47.19}
26	8.47	36.86	24.67	30.83	43.10	29.09	62.46	31.67	17.00	38.08	24.83	47.49
27	8.84	36.62	25.28	30.66	43.80	29.07	63.07	31.86	17.34	38.38	24.88	47.78
28	9.21	36.36	25.93	30.49	44.53	29.07	63.64	32.07	17.65	38.66	24.95	48.06
29	9.60	36.09	26.61	30.34	45.25	29.09	64.17	32.27	17.94	38.94	25.04	48.33
30	10.03	35.81	27.30	30.22	45.95	29.15	64.67	32.47	18.23	39.20	25.14	48.61
31	10.51	35.52			46.63	29.22	65.15	32.66	18.53	39.45	25.25	48.91
32	11.03	35.24			47.27	29.30			18.84	39.70		

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
—87° 39′ 20″	24.446	—24.425	—87° 39′ 30″	24.475	—24.454	—87° 39′ 40″	24.504	—24.483
30	24.475	—24.454	40	24.504	—24.483	50	24.533	—24.513

$\alpha_{1928.0} = 18^h\ 12^m\ 44^s.94$ $\delta_{1928.0} = -87°\ 39'\ 44''.14$

Sg) γ Octantis $5^m.22$

Tag	Juli AR.	Juli Dekl.	August AR.	August Dekl.	September AR.	September Dekl.	Oktober AR.	Oktober Dekl.	November AR.	November Dekl.	Dezember AR.	Dezember Dekl.
	18^h13^m	−87° 39′	18^h13^m	−87° 39′	18^h12^m	−87° 40′	18^h12^m	−87° 40′	18^h12^m	−87° 39′	18^h12^m	−87° 39′
1	25.25	48.91	22.93	58.28	72.32	5.07	57.73	6.90	43.83	63.13	36.50	55.36
2	25.36	49.22	22.71	58.60	71.82	5.22	57.23	6.82	43.55	62.93	36.43	55.10
3	25.47	49.55	22.45	58.91	71.32	5.33	56.76	6.74	43.27	62.75	36.32	54.84
4	25.56	49.89	22.15	59.20	70.84	5.42	56.33	6.66	42.96	62.58	36.19	54.57
5	25.61	50.24	21.83	59.47	70.39	5.50	55.93	6.60	42.62	62.40	36.06	54.28
6	25.63	50.60	21.51	59.72	69.98	5.57	55.52	6.55	42.25	62.22	35.92	53.97
7	25.60	50.95	21.19	59.94	69.59	5.66	55.09	6.52	41.85	62.02	35.80	53.65
8	25.53	51.29	20.88	60.15	69.21	5.77	54.64	6.50	41.45	61.80	35.70	53.31
9	25.45	51.60	20.61	60.35	68.81	5.90	54.15	6.48	41.06	61.56	35.65	52.96
10	25.37	51.89	20.38	60.55	68.39	6.03	53.62	6.44	40.69	61.30	35.62	52.60
11	25.30	52.16	20.16	60.77	67.94	6.17	53.08	6.38	40.34	61.03	35.63	52.25
12	25.26	52.42	19.94	61.02	67.45	6.30	52.53	6.30	40.03	60.75	35.67	51.91
13	25.26	52.68	19.70	61.28	66.92	6.42	51.99	6.20	39.75	60.46	35.74	51.58
14	25.27	52.96	19.42	61.55	66.37	6.52	51.46	6.08	39.51	60.18	35.81	51.26
15	25.30	53.25	19.10	61.81	65.82	6.59	50.96	5.93	39.28	59.90	35.88	50.95
16	25.32	53.57	18.74	62.07	65.28	6.64	50.49	5.77	39.07	59.64	35.95	50.66
17	25.30	53.90	18.35	62.32	64.75	6.67	50.04	5.62	38.87	59.38	36.02	50.38
18	25.24	54.25	17.93	62.55	64.23	6.70	49.61	5.47	38.67	59.14	36.05	50.10
19	25.13	54.60	17.50	62.76	63.73	6.71	49.20	5.33	38.46	58.91	36.07	49.81
20	24.98	54.94	17.08	62.95	63.25	6.72	48.81	5.20	38.22	58.68	36.08	49.50
21	24.80	55.26	16.67	63.11	62.79	6.72	48.42	5.08	37.96	58.44	36.10	49.17
22	24.60	55.56	16.28	63.27	62.35	6.74	48.02	4.97	37.70	58.18	36.15	48.81
23	24.40	55.84	15.91	63.43	61.91	6.78	47.60	4.86	37.44	57.90	36.25	48.43
24	24.20	56.10	15.55	63.58	61.46	6.83	47.15	4.74	37.19	57.59	36.40	48.06
25	24.02	56.36	15.20	63.74	60.99	6.88	46.68	4.62	36.97	57.26	36.61	47.70
26	23.85	56.61	14.86	63.92	60.49	6.93	46.20	4.47	36.80	56.91	36.85	47.36
27	23.69	56.86	14.51	64.11	59.96	6.98	45.72	4.28	36.69	56.56	37.10	47.04
28	23.55	57.11	14.13	64.31	59.40	7.01	45.26	4.07	36.62	56.23	37.35	46.75
29	23.41	57.38	13.73	64.51	58.83	7.01	44.83	3.84	36.58	55.92	37.58	46.47
30	23.27	57.66	13.30	64.71	58.27	6.97	44.45	3.60	36.54	55.63	37.78	46.20
31	23.11	57.96	12.83	64.90	57.73	6.90	44.12	3.36	36.50	55.36	37.95	45.93
32	22.93	58.28	12.32	65.07			43.83	3.13			38.11	45.64

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−87° 39′ 40″	24.504	−24.483	−87° 39′ 50″	24.533	−24.513	−87° 40′ 0″	24.562	−24.542
50	24.533	−24.513	60	24.562	−24.542	10	24.591	−24.571

$a = +35.8 \quad b = -0.091 \quad a' = +1.1 \quad b' = +0.998$

Sh) σ Octantis $5^m.48$

Tag	Januar AR.	Januar Dekl.	Februar AR.	Februar Dekl.	März AR.	März Dekl.	April AR.	April Dekl.	Mai AR.	Mai Dekl.	Juni AR.	Juni Dekl.
		—		—		—		—		—		—
	$19^h 42^m$	89° 11′	$19^h 42^m$	89° 11′	$19^h 43^m$	89° 11′	$19^h 44^m$	89° 11′	$19^h 45^m$	89° 11′	$19^h 45^m$	89° 11′
1	34.89	68.94	47.23	58.22	21.29	49.74	12.90	44.18	6.82	43.10	56.34	46.43
2	34.68	68.57	48.23	57.85	22.96	49.49	14.67	44.10	8.41	43.15	57.63	46.58
3	34.59	68.19	49.30	57.51	24.63	49.27	16.36	44.04	9.97	43.19	58.96	46.73
4	34.62	67.79	50.41	57.19	26.25	49.07	18.00	43.97	11.54	43.22	60.35	46.88
5	34.78	67.40	51.51	56.90	27.79	48.88	19.61	43.89	13.14	43.25	61.81	47.05
6	35.05	67.03	52.56	56.62	29.26	48.69	21.22	43.79	14.79	43.27	63.30	47.23
7	35.39	66.69	53.54	56.34	30.68	48.49	22.86	43.69	16.50	43.30	64.79	47.44
8	35.74	66.36	54.46	56.07	32.07	48.29	24.55	43.58	18.28	43.33	66.25	47.67
9	36.06	66.04	55.34	55.79	33.44	48.09	26.30	43.47	20.12	43.38	67.64	47.91
10	36.32	65.73	56.20	55.49	34.83	47.87	28.12	43.36	21.99	43.46	68.93	48.17
11	36.53	65.43	57.08	55.18	36.26	47.64	30.02	43.26	23.87	43.55	70.09	48.43
12	36.70	65.11	57.99	54.87	37.76	47.40	31.98	43.18	25.71	43.67	71.14	48.68
13	36.84	64.78	58.96	54.54	39.35	47.16	33.98	43.13	27.47	43.81	72.14	48.90
14	36.98	64.44	60.02	54.21	41.02	46.93	35.98	43.10	29.12	43.95	73.13	49.10
15	37.14	64.09	61.17	53.88	42.77	46.72	37.93	43.09	30.67	44.09	74.15	49.29
16	37.36	63.73	62.43	53.55	44.59	46.53	39.81	43.09	32.14	44.21	75.25	49.47
17	37.65	63.36	63.77	53.24	46.44	46.35	41.59	43.10	33.57	44.32	76.44	49.66
18	38.04	62.98	65.18	52.95	48.29	46.19	43.28	43.10	35.02	44.40	77.71	49.86
19	38.54	62.60	66.61	52.68	50.09	46.06	44.91	43.08	36.54	44.47	79.02	50.09
20	39.15	62.23	68.02	52.43	51.80	45.94	46.53	43.04	38.14	44.54	80.31	50.34
21	39.84	61.87	69.38	52.20	53.43	45.82	48.20	42.99	39.84	44.62	81.53	50.61
22	40.59	61.53	70.67	51.97	54.99	45.68	49.96	42.93	41.61	44.72	82.64	50.90
23	41.35	61.21	71.87	51.73	56.52	45.53	51.83	42.87	43.40	44.85	83.63	51.19
24	42.08	60.91	73.02	51.48	58.07	45.36	53.78	42.82	45.16	45.00	84.51	51.49
25	42.76	60.62	74.17	51.20	59.69	45.17	55.78	42.80	46.84	45.18	85.30	51.78
26	43.35	60.33	75.38	50.91	61.42	44.97	57.80	42.81	48.43	45.37	86.03	52.05
27	43.89	60.02	76.69	50.60	63.26	44.79	59.78	42.85	49.90	45.56	86.72	52.31
28	44.41	59.69	78.12	50.30	65.18	44.62	61.68	42.90	51.27	45.75	87.41	52.56
29	44.95	59.34	79.66	50.01	67.15	44.48	63.48	42.96	52.57	45.94	88.12	52.80
30	45.58	58.98	81.29	49.74	69.13	44.37	65.18	43.03	53.82	46.11	88.87	53.04
31	46.34	58.60			71.05	44.27	66.82	43.10	55.07	46.27	89.67	53.28
32	47.23	58.22			72.90	44.18			56.34	46.43		

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−89° 11′ 40″	71.128	−71.121	−89° 11′ 50″	71.374	−71.367	−89° 12′ 0″	71.622	−71.615
50	71.374	−71.367	60	71.622	−71.615	10	71.872	−71.865

$\alpha_{1928.0} = 19^h\ 44^m\ 34^s.22 \qquad \delta_{1928.0} = -89^\circ\ 11'\ 58''.71$

Sh) σ Octantis $5^m.48$

Tag	Juli AR.	Juli Dekl.	August AR.	August Dekl.	September AR.	September Dekl.	Oktober AR.	Oktober Dekl.	November AR.	November Dekl.	Dezember AR.	Dezember Dekl.
		—		—		—		—		—		—
	19h 46m	89° 11′	19h 46m	89° 12′	19h 45m	89° 12′	19h 45m	89° 12′	19h 44m	89° 12′	19h 44m	89° 12′
	s	″	s	″	s	″	s	″	s	″	s	″
1	29.67	53.28	41.66	2.87	85.88	11.79	49.79	17.00	64.73	16.87	29.60	11.42
2	30.51	53.53	41.66	3.22	84.76	12.04	48.27	17.05	63.56	16.75	28.87	11.20
3	31.39	53.80	41.54	3.58	83.62	12.26	46.84	17.09	62.40	16.65	28.07	10.99
4	32.28	54.08	41.29	3.93	82.50	12.45	45.52	17.12	61.21	16.57	27.19	10.77
5	33.14	54.38	40.93	4.26	81.45	12.63	44.28	17.16	59.95	16.50	26.25	10.53
6	33.94	54.70	40.51	4.56	80.49	12.80	43.07	17.21	58.59	16.42	25.28	10.27
7	34.64	55.03	40.07	4.83	79.61	12.98	41.84	17.29	57.15	16.32	24.32	9.99
8	35.22	55.37	39.66	5.09	78.77	13.18	40.55	17.39	55.65	16.21	23.41	9.69
9	35.68	55.70	39.33	5.34	77.94	13.40	39.16	17.48	54.13	16.08	22.56	9.37
10	36.05	56.01	39.10	5.59	77.06	13.63	37.67	17.57	52.62	15.94	21.80	9.05
11	36.38	56.29	38.93	5.86	76.08	13.87	36.08	17.64	51.15	15.77	21.14	8.72
12	36.71	56.55	38.78	6.14	74.99	14.11	34.43	17.70	49.74	15.58	20.57	8.40
13	37.10	56.81	38.60	6.44	73.79	14.34	32.76	17.73	48.42	15.38	20.08	8.08
14	37.57	57.06	38.35	6.76	72.50	14.56	31.10	17.74	47.19	15.17	19.66	7.77
15	38.13	57.32	37.99	7.10	71.14	14.76	29.48	17.72	46.03	14.97	19.28	7.48
16	38.74	57.59	37.51	7.43	69.75	14.94	27.90	17.70	44.94	14.77	18.91	7.21
17	39.35	57.88	36.90	7.75	68.36	15.10	26.39	17.67	43.90	14.58	18.50	6.94
18	39.91	58.21	36.20	8.06	67.00	15.24	24.94	17.63	42.86	14.41	18.04	6.67
19	{40.36 {40.74	58.55} 58.90}	35.44	8.35	65.69	15.37	23.56	17.59	41.84	14.25	17.52	6.39
20	40.96	59.25	34.66	8.63	64.43	15.49	22.24	17.56	40.75	14.09	16.95	6.10
21	41.07	59.59	33.88	8.89	63.22	15.62	20.93	17.55	39.59	13.92	16.37	5.78
22	41.10	59.91	33.13	9.13	62.05	15.75	19.61	17.55	38.35	13.74	15.83	5.44
23	41.08	60.22	32.41	9.37	60.91	15.89	18.24	17.55	37.08	13.55	15.38	5.07
24	41.05	60.52	31.73	9.60	59.77	16.04	16.80	17.55	35.81	13.33	15.07	4.69
25	41.03	60.80	31.10	9.84	58.59	16.20	15.28	17.55	34.60	13.07	14.91	4.31
26	41.04	61.08	30.50	10.09	57.33	16.37	13.68	17.53	33.50	12.78	14.88	3.94
27	41.08	61.35	29.91	10.35	55.96	16.54	12.03	17.47	32.53	12.48	14.94	3.59
28	41.17	61.62	29.30	10.63	54.50	16.70	10.39	17.38	31.69	12.19	15.03	3.26
29	41.30	61.91	28.61	10.92	52.96	16.83	8.82	17.26	30.96	11.92	15.09	2.96
30	41.45	62.21	27.82	11.22	51.37	16.93	7.34	17.13	30.28	11.66	15.09	2.66
31	41.58	62.53	26.91	11.51	49.79	17.00	5.98	17.00	29.60	11.42	15.02	2.37
32	41.66	62.87	25.88	11.79			4.73	16.87			14.89	2.06

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−89° 11′ 50″	71.374	−71.367	−89° 12′ 0″	71.622	−71.615	−89° 12′ 10″	71.872	−71.865
60	71.622	−71.615	10	71.872	−71.865	20	72.123	−72.116

$a = +88.9$ $b = -2.103$ $a' = +8.8$ $b' = +0.898$

Si) β Octantis $4^m.34$

Tag	Januar AR.	Januar Dekl.	Februar AR.	Februar Dekl.	März AR.	März Dekl.	April AR.	April Dekl.	Mai AR.	Mai Dekl.	Juni AR.	Juni Dekl.
	22^h38^m	−81° 45′	22^h38^m	−81° 45′	22^h38^m	−81° 45′	22^h38^m	−81° 45′	22^h38^m	−81° 45′	22^h38^m	−81° 45′
1	$42^s.28$	$60''.24$	$39^s.96$	$51''.37$	$39^s.83$	$40''.75$	$41^s.89$	$29''.43$	$45^s.57$	$20''.69$	$50^s.43$	$15''.58$
2	42.15	60.02	39.93	50.98	39.88	40.34	41.99	29.12	45.70	20.49	50.58	15.49
3	42.03	59.78	39.91	50.60	39.94	39.95	42.09	28.82	45.83	20.29	50.74	15.39
4	41.92	59.51	39.90	50.23	39.99	39.58	42.18	28.53	45.96	20.07	50.90	15.28
5	41.82	59.23	39.89	49.88	40.04	39.23	42.27	28.23	46.09	19.85	51.07	15.18
6	41.74	58.95	39.88	49.55	40.09	38.89	42.36	27.93	46.22	19.62	51.25	15.09
7	41.67	58.68	39.86	49.23	40.13	38.55	42.45	27.61	46.36	19.38	51.43	15.01
8	41.60	58.41	39.84	48.92	40.16	38.21	42.54	27.28	46.51	19.13	51.62	14.95
9	41.53	58.16	39.81	48.60	40.19	37.87	42.64	26.94	46.67	18.89	51.81	14.91
10	41.46	57.93	39.78	48.28	40.22	37.52	42.74	26.59	46.84	18.66	51.99	14.90
11	41.38	57.70	39.74	47.95	40.25	37.15	42.85	26.24	47.02	18.45	52.15	14.91
12	41.30	57.47	39.71	47.60	40.29	36.76	42.98	25.90	47.20	18.26	52.31	14.92
13	41.21	57.23	39.68	47.23	40.34	36.36	43.11	25.57	47.37	18.10	52.46	14.92
14	41.11	56.98	39.66	46.85	40.39	35.96	43.25	25.26	47.54	17.95	52.60	14.91
15	41.01	56.73	39.65	46.46	40.45	35.56	43.39	24.97	47.70	17.81	52.75	14.89
16	40.91	56.46	39.64	46.06	40.53	35.16	43.53	24.69	47.85	17.67	52.90	14.84
17	40.82	56.17	39.65	45.66	40.62	34.77	43.66	24.43	47.99	17.52	53.06	14.78
18	40.74	55.86	39.67	45.26	40.70	34.40	43.78	24.18	48.13	17.36	53.23	14.73
19	40.67	55.54	39.69	44.87	40.79	34.05	43.89	23.92	48.27	17.18	53.41	14.69
20	40.60	55.21	39.71	44.50	40.87	33.72	44.00	23.65	48.42	16.99	53.60	14.67
21	40.55	54.87	39.73	44.15	40.95	33.40	44.11	23.37	48.58	16.79	53.79	14.68
22	40.51	54.54	39.74	43.81	41.02	33.08	44.23	23.06	48.76	16.60	53.97	14.72
23	40.47	54.22	39.75	43.48	41.08	32.74	44.35	22.74	48.94	16.42	54.15	14.78
24	40.43	53.92	39.76	43.14	41.13	32.39	44.49	22.42	49.13	16.27	54.31	14.86
25	40.39	53.63	39.75	42.79	41.19	32.02	44.65	22.11	49.32	16.14	54.46	14.94
26	40.34	53.35	39.74	42.41	41.26	31.64	44.81	21.82	49.50	16.04	54.60	15.01
27	40.28	53.07	39.75	42.01	41.35	31.24	44.97	21.55	49.67	15.95	54.74	15.08
28	40.21	52.77	39.76	41.59	41.45	30.84	45.13	21.31	49.83	15.88	54.87	15.14
29	40.14	52.45	39.79	41.17	41.55	30.46	45.28	21.09	49.98	15.81	55.01	15.20
30	40.07	52.11	39.83	40.75	41.66	30.09	45.43	20.89	50.13	15.74	55.15	15.25
31	40.01	51.75			41.78	29.75	45.57	20.69	50.28	15.66	55.30	15.30
32	39.96	51.37			41.89	29.43			50.43	15.58		

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−81° 45′ 10″	6.971	−6.899	−81° 45′ 30″	6.976	−6.904	−81° 45′ 50″	6.981	−6.909
20	6.974	−6.902	40	6.978	−6.906	46 0	6.983	−6.911
30	6.976	−6.904	50	6.981	−6.909	10	6.985	−6.913

$\alpha_{1928.0} = 22^h\ 38^m\ 48^s.32$ $\delta_{1928.0} = -81°\ 45'\ 35''.75$

Si) β Octantis $4^m.34$

Tag	Juli AR.	Juli Dekl.	August AR.	August Dekl.	September AR.	September Dekl.	Oktober AR.	Oktober Dekl.	November AR.	November Dekl.	Dezember AR.	Dezember Dekl.
		—		—		—		—		—		—
	22^h38^m	81° 45′	22^h38^m	81° 45′	22^h39^m	81° 45′	22^h38^m	81° 45′	22^h38^m	81° 45′	22^h38^m	81° 45′
	s	″	s	″	s	″	s	″	s	″	s	″
1	55.30	15.30	59.40	19.83	1.44	28.44	60.69	37.26	57.70	43.76	53.76	45.31
2	55.45	15.34	59.52	20.05	1.44	28.77	60.60	37.51	57.59	43.85	53.64	45.27
3	55.61	15.39	59.64	20.30	1.43	29.08	60.53	37.74	57.49	43.96	53.52	45.25
4	55.78	15.45	59.75	20.56	1.42	29.37	60.46	37.95	57.39	44.09	53.39	45.24
5	55.95	15.53	59.85	20.83	1.41	29.64	60.40	38.16	57.29	44.23	53.25	45.22
6	56.12	15.64	59.93	21.11	1.41	29.90	60.35	38.38	57.17	44.38	53.10	45.19
7	56.28	15.77	60.00	21.38	1.41	30.15	60.30	38.61	57.04	44.53	52.95	45.15
8	56.44	15.91	60.06	21.63	1.43	30.41	60.24	38.87	56.90	44.68	52.80	45.08
9	56.58	16.07	60.12	21.86	1.46	30.68	60.18	39.14	56.75	44.82	52.65	44.99
10	56.71	16.23	60.19	22.08	1.48	30.97	60.11	39.42	56.59	44.93	52.50	44.88
11	56.83	16.37	60.27	22.28	1.49	31.28	60.02	39.71	56.44	45.02	52.36	44.77
12	56.95	16.49	60.35	22.48	1.49	31.61	59.92	39.99	56.29	45.10	52.23	44.64
13	57.07	16.60	60.45	22.70	1.48	31.94	59.81	40.25	56.14	45.16	52.11	44.50
14	57.20	16.70	60.54	22.93	1.46	32.28	59.70	40.50	56.00	45.20	52.00	44.35
15	57.33	16.79	60.64	23.19	1.42	32.61	59.59	40.72	55.87	45.24	51.89	44.22
16	57.47	16.89	60.73	23.47	1.38	32.93	59.47	40.92	55.75	45.27	51.79	44.10
17	57.62	17.00	60.80	23.77	1.34	33.24	59.36	41.12	55.63	45.30	51.68	43.99
18	57.78	17.14	60.86	24.08	1.29	33.53	59.26	41.31	55.52	45.35	51.57	43.88
19	57.93	17.31	60.91	24.40	1.24	33.81	59.16	41.49	55.40	45.40	51.45	43.78
20	58.08	17.50	60.95	24.71	1.20	34.08	59.07	41.67	55.28	45.46	51.32	43.67
21	58.21	17.71	60.98	25.01	1.17	34.34	58.99	41.86	55.15	45.53	51.18	43.54
22	58.33	17.92	61.01	25.30	1.14	34.60	58.91	42.05	55.01	45.59	51.04	43.39
23	58.44	18.13	61.04	25.57	1.11	34.87	58.82	42.25	54.86	45.64	50.90	43.21
24	58.54	18.34	61.07	25.83	1.09	35.14	58.72	42.46	54.70	45.67	50.76	42.99
25	58.64	18.54	61.11	26.08	1.07	35.43	58.61	42.68	54.54	45.67	50.64	42.76
26	58.73	18.73	61.15	26.33	1.04	35.73	58.49	42.90	54.39	45.64	50.54	42.52
27	58.83	18.92	61.20	26.59	1.00	36.05	58.36	43.11	54.24	45.58	50.45	42.29
28	58.93	19.10	61.25	26.86	0.95	36.37	58.22	43.30	54.10	45.51	50.37	42.06
29	59.04	19.27	61.30	27.14	0.87	36.69	58.08	43.45	53.98	45.43	50.29	41.85
30	59.16	19.44	61.36	27.45	0.78	36.99	57.94	43.57	53.87	45.36	50.20	41.66
31	59.28	19.63	{61.40 / 61.43}	{27.77 / 28.10}	0.69	37.26	57.81	43.67	53.76	45.31	50.11	41.48
32	59.40	19.83	61.44	28.44			57.70	43.76			50.01	41.30

δ	sec δ	tg δ	δ	sec δ	tg δ
−81° 45′ 10″	6.971	−6.899	−81° 45′ 30″	6.976	−6.904
20	6.974	−6.902	40	6.978	−6.906
30	6.976	−6.904	50	6.981	−6.909

$a = +6.3$ $b = -0.432$ $a' = +18.8$ $b' = +0.347$

Sk) τ Octantis $5^m.56$

Tag	Januar AR.	Januar Dekl.	Februar AR.	Februar Dekl.	März AR.	März Dekl.	April AR.	April Dekl.	Mai AR.	Mai Dekl.	Juni AR.	Juni Dekl.
		—		—		—		—		—		—
	$23^h 17^m$	87° 52′	$23^h 17^m$	87° 52′	$23^h 17^m$	87° 52′	$23^h 17^m$	87° 52′	$23^h 17^m$	87° 52′	$23^h 17^m$	87° 52′
1	45.22	67.55	32.57	59.28	28.10	48.59	31.92	36.63	42.80	26.89	59.12	20.52
2	44.63	67.37	32.29	58.90	28.13	48.17	32.23	36.29	43.24	26.65	59.64	20.39
3	44.06	67.16	32.06	58.53	28.20	47.76	32.51	35.96	43.65	26.41	60.17	20.25
4	43.52	66.93	31.86	58.17	28.27	47.37	32.77	35.64	44.06	26.16	60.73	20.10
5	43.01	66.69	31.68	57.81	28.35	47.00	33.01	35.31	44.47	25.90	61.31	19.95
6	42.54	66.43	31.51	57.47	28.41	46.65	33.24	34.98	44.89	25.63	61.93	19.81
7	42.11	66.17	31.33	57.15	28.45	46.30	33.47	34.64	45.33	25.36	62.58	19.69
8	41.72	65.92	31.14	56.83	28.48	45.95	33.70	34.29	45.80	25.08	63.26	19.58
9	41.34	65.69	30.92	56.52	28.48	45.59	33.94	33.93	46.30	24.79	63.94	19.49
10	40.96	65.47	30.68	56.20	28.47	45.22	34.21	33.56	46.84	24.52	64.61	19.43
11	40.57	65.25	30.43	55.87	28.46	44.84	34.51	33.18	47.42	24.27	65.24	19.39
12	40.15	65.04	30.17	55.52	28.47	44.44	34.86	32.81	48.02	24.03	65.84	19.36
13	39.71	64.83	29.92	55.16	28.49	44.03	35.25	32.44	48.62	23.81	66.40	19.33
14	39.25	64.61	29.68	54.78	28.55	43.61	35.68	32.08	49.21	23.62	66.93	19.28
15	38.78	64.38	29.47	54.39	28.65	43.19	36.12	31.74	49.77	23.44	67.44	19.21
16	38.30	64.13	29.29	53.99	28.79	42.77	36.55	31.43	50.28	23.26	67.96	19.13
17	37.83	63.86	29.15	53.59	28.97	42.36	36.96	31.14	50.75	23.08	68.51	19.04
18	37.37	63.57	29.06	53.18	29.17	41.96	37.34	30.86	51.20	22.88	69.10	18.95
19	36.94	63.27	29.01	52.78	29.39	41.58	37.68	30.57	51.66	22.67	69.74	18.87
20	36.55	62.96	28.98	52.41	29.60	41.22	38.00	30.27	52.14	22.44	70.42	18.80
21	36.19	62.64	28.95	52.05	29.78	40.87	38.31	29.95	52.66	22.20	71.11	18.76
22	35.88	62.32	28.90	51.70	29.93	40.52	38.63	29.62	53.23	21.96	71.78	18.75
23	35.60	62.01	28.82	51.35	30.05	40.17	38.98	29.27	53.84	21.74	72.43	18.76
24	35.33	61.71	28.71	51.00	30.15	39.81	39.38	28.92	54.48	21.54	73.06	18.80
25	35.06	61.43	28.57	50.64	30.25	39.42	39.82	28.57	55.13	21.37	73.66	18.84
26	34.77	61.16	28.42	50.27	30.36	39.01	40.31	28.23	55.77	21.22	74.22	18.88
27	34.44	60.89	28.28	49.87	30.52	38.59	40.82	27.92	56.39	21.09	74.75	18.92
28	34.07	60.61	28.17	49.45	30.73	38.17	41.34	27.64	56.97	20.98	75.27	18.95
29	33.68	60.32	28.11	49.02	30.99	37.76	41.84	27.38	57.53	20.87	75.79	18.97
30	33.29	60.00	28.10	48.59	31.29	37.36	42.33	27.13	58.07	20.75	76.32	18.99
31	32.91	59.65			31.60	36.98	42.80	26.89	58.60	20.64	76.86	19.00
32	32.57	59.28			31.92	36.63			59.12	20.52		

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
—87° 52′ 10″	26.899	—26.880	—87° 52′ 30″	26.969	—26.950	—87° 52′ 50″	27.040	—27.021
20	26.934	—26.915	40	27.004	—26.986	53 0	27.075	—27.057
30	26.969	—26.950	50	27.040	—27.021	10	27.111	—27.092

$\alpha_{1928.0} = 23^h\ 17^m 58^s.01$ $\delta_{1928.0} = -87°\ 52'\ 41''.56$

Sk) τ Octantis $5^m.56$

Tag	Juli AR.	Juli Dekl.	August AR.	August Dekl.	September AR.	September Dekl.	Oktober AR.	Oktober Dekl.	November AR.	November Dekl.	Dezember AR.	Dezember Dekl.
		—		—		—		—		—		—
	23h 18m	87° 52′	23h 18m	87° 52′	23h 18m	87° 52′	23h 18m	87° 52′	23h 18m	87° 52′	23h 18m	87° 52′
	s	″	s	″	s	″	s	″	s	″	s	″
1	16.86	19.00	33.14	22.55	42.90	30.39	42.56	39.90	32.37	47.38	16.82	50.15
2	17.42	19.01	33.66	22.74	43.06	30.72	42.28	40.18	31.95	47.51	16.34	50.15
3	18.01	19.03	34.16	22.95	43.17	31.05	42.02	40.44	31.56	47.65	15.85	50.16
4	18.64	19.05	34.64	23.19	43.23	31.37	41.79	40.68	31.18	47.81	15.33	50.18
5	19.29	19.08	35.08	23.44	43.26	31.68	41.59	40.91	30.79	47.98	14.77	50.20
6	19.95	19.14	35.47	23.69	43.29	31.96	41.42	41.14	30.38	48.17	14.17	50.21
7	20.59	19.23	35.80	23.94	43.34	32.22	41.26	41.39	29.92	48.36	13.55	50.21
8	21.21	19.34	36.11	24.18	43.42	32.47	41.10	41.67	29.42	48.55	12.92	50.19
9	21.78	19.45	36.40	24.41	43.52	32.73	40.93	41.97	28.88	48.72	12.28	50.14
10	22.31	19.57	36.70	24.61	43.65 / 43.79	33.00 / 33.29	40.72	42.28	28.32	48.88	11.65	50.08
11	22.80	19.69	37.03	24.80	43.92	33.60	40.47	42.59	27.74	49.02	11.04	50.00
12	23.26	19.79	37.38	24.99	44.03	33.93	40.17	42.89	27.16	49.15	10.45	49.90
13	23.72	19.87	37.76	25.18	44.09	34.27	39.84	43.18	26.58	49.26	9.89	49.80
14	24.20	19.94	38.18	25.39	44.11	34.62	39.47	43.46	26.02	49.35	9.36	49.70
15	24.70	20.00	38.59	25.63	44.09	34.96	39.09	43.73	25.49	49.43	8.86	49.59
16	25.25	20.06	38.99	25.89	44.03	35.30	38.71	43.97	24.98	49.50	8.39	49.50
17	25.84	20.14	39.36	26.17	43.94	35.63	38.33	44.20	24.49	49.57	7.92	49.41
18	26.44	20.24	39.68	26.47	43.84	35.94	37.95	44.43	24.02	49.65	7.43	49.33
19	27.05	20.37	39.96	26.77	43.73	36.23	37.60	44.64	23.55	49.73	6.91	49.26
20	27.64	20.53	40.21	27.07	43.63	36.51	37.27	44.85	23.08	49.82	6.35	49.18
21	28.19	20.70	40.42	27.36	43.55	36.79	36.97	45.06	22.59	49.93	5.75	49.09
22	28.70	20.89	40.61	27.64	43.49	37.07	36.68	45.28	22.06	50.03	5.13	48.98
23	29.18	21.08	40.80	27.91	43.45	37.35	36.39	45.52	21.48	50.13	4.50	48.84
24	29.62	21.26	40.99	28.17	43.42	37.64	36.07	45.77	20.86	50.21	3.88	48.67
25	30.04	21.44	41.19	28.42	43.40	37.94	35.71	46.02	20.22	50.25	3.30	48.47
26	30.44	21.61	41.40	28.67	43.37	38.26	35.31	46.27	19.58	50.27	2.77	48.26
27	30.84	21.77	41.63	28.92	43.30	38.59	34.85	46.51	18.95	50.26	2.29	48.05
28	31.25	21.92	41.89	29.18	43.18	38.93	34.35	46.73	18.35	50.23	1.85	47.84
29	31.68	22.07	42.17	29.45	43.02	39.27	33.83	46.93	17.80	50.20	1.43	47.65
30	32.15	22.22	42.44	29.74	42.81	39.59	33.31	47.10	17.30	50.17	1.01	47.48
31	32.63	22.38	42.69	30.06	42.56	39.90	32.82	47.25	16.82	50.15	0.57	47.33
32	33.14	22.55	42.90	30.39			32.37	47.38			0.10	47.18

δ	sec δ	tg δ	δ	sec δ	tg δ	δ	sec δ	tg δ
−87° 52′ 10″	26.899	−26.880	−87° 52′ 30″	26.969	−26.950	−87° 52′ 50″	27.040	−27.021
20	26.934	−26.915	40	27.004	−26.986	60	27.075	−27.057
30	26.969	−26.950	50	27.040	−27.021			

$a = +9.7$ $b = -1.769$ $a' = +19.7$ $b' = +0.182$

Nördliche Polsterne 1928

Kurzperiodische Mondglieder (in 0ˢ.01, bez. 0″.01)

Tag	*Na*		*Nb*		*Nc*		*Nd*		*Ne*		*Nf*		*Ng*		*Nh*		*Ni*		*Nk*	
1928	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.
Jan. 1	− 9	− 6	−35	− 4	− 9	+ 2	− 4	+ 9	+ 1	+10	+2	+ 9	+3	− 6	+ 7	− 8	+19	− 9	−1	−10
2	− 6	− 8	−22	− 8	− 9	− 2	− 9	+ 8	− 2	+10	−1	+10	+3	− 1	+ 9	− 4	+30	− 6	+1	− 9
3	− 1	− 9	− 5	− 9	− 6	− 6	−13	+ 4	− 4	+ 8	−3	+ 9	+3	+ 3	+ 9	+ 1	+34	− 1	+2	− 5
4	+ 4	− 7	+13	− 8	− 2	− 9	−13	− 1	− 5	+ 4	−5	+ 5	+1	+ 7	+ 6	+ 5	+29	+ 4	+3	0
5	+ 8	− 4	+28	− 5	+ 3	− 9	−10	− 6	− 5	− 1	−5	+ 1	0	+ 9	+ 3	+ 9	+18	+ 8	+3	+ 5
6	+10	+ 1	+37	− 1	+ 7	− 7	− 4	− 9	− 3	− 6	−5	− 4	−2	+ 9	− 2	+10	+ 1	+10	+3	+ 9
7	+10	+ 5	+37	+ 3	+10	− 3	+ 2	−10	− 1	− 9	−3	− 8	−3	+ 7	− 6	+ 9	−16	+10	+1	+10
8	+ 8	+ 8	+30	+ 7	+10	+ 1	+ 9 +13	−9 −6	+ 1	−11	0	−10	−4	+ 3	− 9	+ 6	−30	+ 8	0	+10
9	+ 5	+10	+18	+10	+10	+ 5	+16	− 3	+ 3	−10	+2	−11	−4	− 1	−10	+ 2	−39	+ 4	−2	+ 8
10	+ 1	+11	+ 4	+10	+ 7	+ 8	+15	+ 1	+ 5	− 8	+4	− 9	−3	− 5	−10	− 2	−40	0	−3	+ 5
11	− 3	+ 9	−11	+ 9	+ 4	+ 9	+12	+ 5	+ 6	− 4	+6	− 6	−2	− 8	− 8	− 6	−35	− 4	−4	+ 1
12	− 6	+ 6	−21	+ 7	0	+10	+ 8	+ 7	+ 5	0	+6	− 2	0	− 9	− 5	− 8	−25	− 7	−4	− 3
13	− 8	+ 2	−29	+ 4	− 4	+ 8	+ 2	+ 8	+ 4	+ 3	+5	+ 1	+1	− 9	− 1	− 9	−12	− 8	−3	− 6
14	− 8	− 1	−31	0	− 6	+ 5	− 3	+ 8	+ 2	+ 6	+4	+ 4	+2	− 7	+ 3	− 8	+ 2	− 8	−2	− 8
15	− 7	− 5	−26	− 4	− 8	+ 1	− 8	+ 6	0	+ 8	+2	+ 7	+2	− 4	+ 6	− 6	+16	− 7	−1	− 8
16	− 5	− 8	−18	− 7	− 8	− 3	−12	+ 3	− 2	+ 8	−1	+ 8	+3	0	+ 8	− 3	+27	− 4	+1	− 7
17	− 2	− 9	− 7	− 9	− 7	− 6	−14	0	− 3	+ 7	−3	+ 8	+3	+ 3	+ 8	+ 1	+33	− 1	+2	− 5
18	+ 2	− 9	+ 7	−10	− 4	− 9	−13	− 4	− 5	+ 5	−5	+ 7	+2	+ 7	+ 8	+ 5	+35	+ 3	+3	− 1
19	+ 5	− 7	+19	− 8	− 1	−10	−10	− 7	− 5	+ 1	−6	+ 4	+1	+ 9	+ 6	+ 8	+30	+ 6	+4	+ 2
20	+ 8	− 4	+29	− 6	+ 2	− 9	− 5	− 9	− 5	− 2	−6	0	0	+10	+ 3	+ 9	+19	+ 8	+4	+ 5
21	+ 9	− 1	+32	− 2	+ 5	− 7	0	− 9	− 4	− 5	−5	− 3	−1	+ 9	− 1	+ 9	+ 6	+ 9	+3	+ 7
22	+ 8	+ 3	+28	+ 2	+ 7	− 3	+ 6	− 7	− 2	− 7	−3	− 6	−2	+ 6	− 4	+ 7	− 9	+ 8	+1	+ 8
23	+ 5	+ 6	+18	+ 6	+ 7	+ 2	+10	− 3	+ 1	− 8	0	− 7	−2	+ 2	− 6	+ 3	−21	+ 5	0	+ 7
24	0	+ 8	+ 2	+ 8	+ 5	+ 6	+11	+ 1	+ 3	− 6	+2	− 7	−2	− 3	− 7	− 1	−28	0	−2	+ 4
25	− 4	+ 7	−14	+ 8	+ 2	+ 9	+ 9	+ 6	+ 4	− 3	+4	− 4	−1	− 7	− 6	− 6	−27	− 4	−3	0
26	− 8	+ 4	−29	+ 6	− 2	+ 9	+ 5	+ 9	+ 5	+ 2	+5	0	0	− 9	− 3	− 9	−19	− 8	−4	− 5
27	−10	0	−37	+ 2	− 6	+ 8	− 1	+10	+ 4	+ 6	+5	+ 4	+2	−10	+ 1	−10	− 5	−10	−3	− 8
28	−10	− 4	−36	− 2	− 9	+ 4	− 7	+ 9	+ 2	+ 9	+3	+ 7	+3	− 8	+ 5	− 9	+11	−10	−2	−10
29	− 7	− 7	−27	− 6	− 9	0	−11	+ 6	0	+10	+1	+ 9	+3	− 4	+ 8	− 6	+24	− 7	0	− 9
30	− 3	− 9	−12	− 8	− 7	− 5	−13	+ 1	− 3	+ 8	−2	+ 9	+3	+ 1	+ 9	− 1	+32	− 3	+2	− 6
31	+ 2	− 8	+ 6	− 8	− 4	− 8	−11	− 4	− 4	+ 5	−4	+ 6	+2	+ 6	+ 8	+ 4	+31	+ 2	+3	− 2
Feb. 1	+ 6	− 5	+23	− 6	+ 1	− 9	− 7	− 8	− 5	0	−5	+ 2	0	+ 8	+ 4	+ 8	+23	+ 7	+3	+ 3
2	+ 9	− 1	+34	− 3	+ 5	− 8	0	−10	− 4	− 4	−5	− 2	−1	+ 9	0	+10	+ 8	+ 9	+3	+ 8
3	+10	+ 3	+38	+ 2	+ 9	− 5	+ 6	−10	− 2	− 8	−3	− 7	−2	+ 8	− 4	+ 9	− 9	+10	+2	+10
4	+ 9	+ 7	+34	+ 6	+10	− 1	+12	− 8	0	−10	−1	−10	−3	+ 5	− 8	+ 7	−24	+ 8	0	+11
5	+ 6	+10	+23	+ 9	+10	+ 3	+15	− 4	+ 2	− 9	+1	−11	−4	+ 1	−10	+ 3	−35	+ 5	−1	+ 9
6	+ 2	+10	+ 9	+10	+ 8	+ 7	+15	0	+ 4	− 8	+4	−10	−3	− 4	−10	− 1	−39	+ 1	−3	+ 6
7	− 2	+ 9	− 6	+10	+ 5	+ 9	+13	+ 4	+ 5	− 5	+5	− 7	−2	− 7	− 9	− 5	−37	− 3	−3	+ 2
8	− 5	+ 7	−19	+ 8	+ 1	+10	+10	+ 7	+ 5	− 1	+6	− 4	−1	− 9	− 6	− 8	−29	− 6	−4	− 2
9	− 8	+ 3	−27	+ 5	− 2	+ 8	+ 5	+ 8	+ 5	+ 2	+6	0	0	− 9	− 2	− 9	−16	− 8	−3	− 5
10	− 8	0	−31	+ 1	− 6	+ 6	− 2	+ 8	+ 3	+ 5	+4	+ 4	+1	− 8	+ 1	− 9	− 2	− 9	−2	− 8
11	− 8	− 4	−29	− 3	− 8	+ 2	− 7	+ 7	+ 1	+ 8	+2	+ 7	+2	− 5	+ 5	− 7	+12	− 8	−1	− 9
12	− 6	− 7	−22	− 6	− 8	− 1	−11	+ 4	−1 −3	+8 +8	0	+ 8	+3	− 2	+ 7	− 4	+24	− 6	0	− 8
13	− 3	− 9	−12	− 9	− 8	− 5	−13	+ 1	− 5	+ 6	−2	+ 8	+3	+ 2	+ 8	0	+32	− 2	+2	− 6
14	+ 1	−10	+ 1	−10	− 6	− 8	−14	− 3	− 5	+ 3	−4	+ 7	+2	+ 5	+ 8	+ 3	+35	+ 1	+3	− 3
15	+ 4	− 9	+14	− 9	− 3	−10	−12	− 6	− 5	0	−6	+ 5	+1	+ 8	+ 7	+ 7	+33	+ 5	+4	0
16	+ 7	− 6	+24	− 7	+ 1	−10	− 8	− 8	− 4	− 4	−6	+ 2	0	+10	+ 4	+ 9	+25	+ 8	+4	+ 4

Nördliche Polsterne 1928

Kurzperiodische Mondglieder (in 0ˢ.01, bez. 0″.01)

Tag	Na AR.	Na D.	Nb AR.	Nb D.	Nc AR.	Nc D.	Nd AR.	Nd D.	Ne AR.	Ne D.	Nf AR.	Nf D.	Ng AR.	Ng D.	Nh AR.	Nh D.	Ni AR.	Ni D.	Nk AR.	Nk D.
1928																				
Feb. 16	+7	−6	+24	−7	+1	−10	−8	−8	−4	−4	−6	+2	0	+10	+4	+9	+25	+8	+4	+4
17	+8	−2	+31	−4	+4	−8	−2	−9	−3	−6	−5	−2	−1	+9	+1	+9	+12	+9	+3	+6
18	+8	+2	+30	0	+6	−5	+3	−8	0	−7	−4	−5	−2	+7	−2	+8	−2	+8	+2	+8
19	+6	+5	+23	+4	+7	0	+8	−5	+2	−7	−1	−7	−2	+3	−5	+5	−16	+6	0	+7
20	+2	+7	+9	+7	+6	+4	+11	0	+4	−4	+1	−7	−2	−1	−7	+1	−25	+2	−1	+5
21	−2	+7	−7	+8	+3	+8	+10	+4	+5	0	+4	−5	−1	−5	−6	−4	−28	−2	−3	+1
22	−7	+6	−23	+7	−1	+10	+7	+8	+4	+4	+5	−2	0	−8	−4	−8	−23	−7	−3	−3
23	−9	+2	−34	+4	−5	+9	+2	+10	+3	+7	+5	+2	+1	−10	−1	−10	−12	−10	−3	−7
24	−10	−2	−37	0	−8	+6	−4	+9	+1	+9	+4	+6	+2	−9	+3	−10	+3	−10	−2	−9
25	−8	−6	−31	−4	−9	+2	−9	+7	−2	+9	+2	+8	+3	−5	+7	−7	+18	−8	−1	−10
26	−5	−8	−18	−7	−8	−3	−12	+3	−4	+6	−1	+9	+3	−1	+8	−3	+28	−5	+1	−7
27	0	−8	0	−8	−5	−7	−11	−2	−5	+2	−3 / −5	+7 / +4	+2	+4	+8	+2	+31	0	+2	−3
28	+5	−6	+18	−7	0	−9	−8	−7	−4	−3	−5	−1	+1	+8	+5	+6	+25	+5	+3	+2
29	+9	−3	+32	−4	+4	−9	−2	−10	−3	−7	−4	−5	−1	+9	+1	+9	+13	+9	+3	+6
März 1	+11	+2	+39	0	+8	−6	+4	−10	−1	−10	−2	−9	−2	+9	−3	+10	−3	+10	+2	+10
2	+10	+6	+37	+4	+10	−3	+10	−9	+2	−11	0	−11	−3	+6	−7	+8	−19	+10	+1	+11
3	+7	+9	+28	+8	+10	+2	+14	−6	+4	−10	+3	−11	−4	+2	−10	+5	−32	+[illegible]	−1	+10
4	+4	+10	+15	+10	+9	+6	+16	−2	+5	−7	+5	−8	−3	−2	−10	+1	−39	+3	−2	+7
5	−1	+10	+1	+10	+6	+8	+14	+3	+6	−3	+6	−5	−3	−6	−9	−4	−39	−1	−3	+4
6	−4	+8	−14	+9	+2	+9	+11	+6	+5	+1	+6	−1	−1	−8	−7	−7	−33	−5	−4	0
7	−7	+5	−25	+6	−1	+9	+6	+8	+4	+4	+5	+3	0	−9	−4	−9	−21	−8	−4	−4
8	−8	+1	−31	+2	−5	+7	0	+9	+2	+7	+3	+6	+1	−9	0	−9	−7	−9	−3	−7
9	−8	−3	−30	−1	−7	+4	−5	+8	0	+8	+1	+8	+2	−6	+4	−8	+7	−8	−2	−8
10	−7	−6	−25	−5	−8	0	−10	+5	−2	+8	−2	+8	+3	−3	+6	−5	+20	−6	0	−8
11	−4	−9	−16	−8	−8	−4	−13	+2	−4	+7	−4	+8	+3	0	+8	−2	+30	−3	+1	−7
12	−1	−10	−4	−10	−7	−7	−14	−1	−5	+4	−5	+6	+3	+4	+9	+2	+35	0	+3	−4
13	+3	−9	+9	−10	−4	−10	−13	−5	−6	+1	−6	+3	+2	+8	+8	+6	+35	+4	+4	−1
14	+6	−7	+21	−8	−1	−10	−10	−7	−5	−2	−6	0	+1	+10	+6	+8	+29	+7	+4	+2
15	+8	−4	+28	−6	+2	−9	−5	−9	−4	−5	−5	−3	0	+10	+3	+10	+19	+9	+4	+5
16	+8	−1	+31	−2	+5	−6	0	−8	−1	−7	−3	−6	−1	+9	−1	+9	+5	+9	+3	+7
17	+7	+3	+25	+2	+6	−2	+6	−6	+1	−7	0	−6	−2	+5	−4	+7	−9	+7	+1	+7
18	+4	+6	+14	+5	+5	+2	+9	−2	+3	−5	+2	−6	−2	+1	−6	+3	−20	+4	0	+6
19	−1	+7	−2	+7	+3	+6	+10	+3	+4	−1	+4	−3	−2	−4	−6	−2	−25	−1	−2	+2
20	−5	+6	−18	+7	0	+9	+8	+7	+4	+3	+5	+1	−1	−7	−5	−6	−24	−5	−3	−2
21	−9	+3	−32	+5	−3	+9	+4	+10	+3	+7	+5	+5	+1	−9	−2	−9	−15	−9	−4	−6
22	−10	0	−38	+1	−7	+7	−2	+10	+1	+9	+3	+8	+2	−9	+2	−10	−2	−11	−3	−9
23	−10	−4	−35	−3	−9	+4	−7	+9	−1	+10	0	+9	+3	−7	+5	−9	+13	−10	−1	−10
24	−6	−7	−24	−6	−8	−1	−11	+5	−3	+8	−2	+8	+3	−3	+8	−5	+25	−7	0	−9
25	−2	−8	−7	−8	−6	−5	−12	0	−4	+4	−4	+5	+2	+2	+8	0	+30	−2	+2	−5
26	+3	−7	+11	−7	−2	−8	−9	−6	−4	−1	−5	+1	+1	+6	+6	+5	+27	+3	+3	0
27	+7	−4	+27	−5	+3	−8	−4	−9	−3	−6	−4	−4	0	+9	+2	+8	+17	+8	+3	+5
28	+10	0	+38	−1	+7	−7	+2	−11	−1	−9	−3	−8	−2	+9	−2	+10	+1	+10	+3	+9
29	+11	+5	+40	+3	+10	−4	+9	−10	+1	−11	0	−11	−3	+7	−6	+9	−15	+10	+2	+11
30	+9	+9	+34	+7	+11	0	+14	−7	+3	−11	+2	−11	−4	+4	−9	+6	−30	+8	0	+11
31	+5	+11	+22	+10	+10	+4	+16	−3	+5	−9	+4	−10	−4	0	−11	+2	−39	+5	−2	+9
Apr. 1	+1	+11	+6	+11	+8	+8	+16	+1	+6	−5	+6	−7	−3	−5	−11	−2	−42	0	−3	+6
2	−3	+9	−9	+10	+4	+9	+13	+5	+6	−1	+6	−3	−2	−8	−9	−6	−37	−4	−4	+1

Nördliche Polsterne 1928

Kurzperiodische Mondglieder (in 0ˢ.01, bez. 0″.01)

Tag	*Na*		*Nb*		*Nc*		*Nd*		*Ne*		*Nf*		*Ng*		*Nh*		*Ni*		*Nk*	
1928	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.
Apr. 2	−3	+9	−9	+10	+4	+9	+13	+5	+6	−1	+6	−3	−2	−8	−9	−6	−37	−4	−4	+1
3	−6	+6	−21	+7	0	+10	+9	+7	+5	+3	+5	+1	−1	−9	−5	−8	−27	−7	−4	−3
4	−8	+3	−29	+4	−3	+8	+3	+9	+3	+6	+4	+4	+1	−9	−2	−9	−14	−8	−3	−6
5	−8	−1	−31	0	−6	+5	−3	+8	+1	+8	+2	+7	+2	−8	+2	−8	+1	−9	−2	−8
6	−7	−5	−28	−3	−8	+2	−8	+6	−1	+8	0	+8	+2	−5	+5	−6	+15	−7	−1	−8
7	−5	−7	−20	−7	−8	−2	−12	+4	−3	+7	−3	+8	+3	−1	+8	−3	+26	−5	+1	−7
8	−2	−9	−8	−9	−7	−6	−14	0	−5	+5	−5	+7	+3	+3	+9	+1	+33	−1	+2	−5
9	+2	−9	+5	−10	−5	−9	−14	−4	−6	+2	−6	+4	+2	+6	+8	+4	+35	+2	+3	−2
10	+5	−8	+17	−9	−2	−10	−11	−7	−5	−1	−6	+1	+1	+9	+6	+7	+32	+6	+4	+1
11	+7	−6	+27	−7	+1	−10	−7	−9	−4	−4	−5	−2	0	+10	+4	+9	+23	+8	+4	+4
12	+8	−2	+31	−4	+4	−8	−2	−9	−2	−6	−3	−5	−1	+9	+1	+10	+11	+9	+3	+7
13	+7	+2	+28	0	+6	−4	+3	−7	0	−7	−1	−6	−2	+7	−2	+8	−2	+8	+2	+7
14	+5	+5	+18	+4	+6	0	+7	−4	+2	−5	+1	−6	−2	+3	−5	+4	−14	+5	0	+6
15	+1	+6	+4	+6	+4	+4	+9	0	+3	−2	+4	−4	−2	−1	−6	0	−22	+1	−1	+3
16	−4	+6	−13	+7	+1	+8	+8	+5	+4	+2	+5	0	−1	−6	−5	−5	−23	−4	−3	−1
17	−8	+4	−28	+5	−3	+9	+5	+9	+4	+6	+5	+4	0	−9	−2	−8	−17	−8	−3	−5
18	−10	0	−38	+2	−6	+8	0	+11	+2	+9	+4	+7	+2	−10	+1	−10	−5	−10	−3	−9
19	−10	−3	−39	−2	−9	+5	−6	+10	0	+10	+1	+9	+3	−8	+5	−10	+10	−10	−2	−10
20	−8	−7	−31	−5	−9	+1	−10	+7	−2	+9	−1	+9	+3	−5	+8	−7	+23	−8	0	−10
21	−4	−8	−16	−8	−8	−4	−12	+2	−4	+6	−4	+7	+3	0	+9	−2	+31	−4	+1	−7
22	+1	−8	+3	−8	−4	−7	−11	−3	−4	+1	−5	+3	+2	+4	+8	+3	+31	+1	+3	−4
23	+6	−5	+21	−6	+1	−9	−7	−7	−4	−4	−5	−2	+1	+8	+4	+7	+23	+6	+3	+2
24	+9	−1	+35	−3	+5	−8	0	−10	−2	−8	−4	−7	−1	+9	0	+9	+8	+9	+3	+7
25	+11	+4	+41	+2	+9	−5	+7	−11	0	−11	−1	−10	−3	+8	−5	+10	−9	+11	+2	+11
26	+10	+8	+37	+6	+11	−1	+12	−9	+3	−12	+1	−12	−4	+5	−9	+8	−26	+10	+1	+12
27	+7	+10	+28	+9	+11	+3	+16	−5	+5	−10	+4	−11	−4	+1	−11	+4	−38	+6	−1	+10
28	+3	+11	+13	+11	+9	+7	+17	−1	+6	−7	+6	−9	−4	−3	−11	0	−44	+2	−3	+7
29	−1	+11	−2	+11	+6	+9	+15	+3	+6	−3	+6	−5	−3	−7	−10	−4	−42	−2	−4	+3
30	−5	+8	−16	+9	+2	+10	+11	+6	+5	+1	+6	−1	−1	−9	−7	−8	−34	−6	−4	−1
Mai 1	−7	+5	−26	+6	−2	+9	+6	+8	+4	+5	+5	+3	0	−10	−3	−9	−21	−8	−4	−5
2	−8	+1	−30	+2	−5	+7	0	+8	+2	+7	+3	+6	+1	−9	0	−9	−6	−9	−3	−7
3	−8	−3	−29	−2	−7	+3	−6	+7	0	+8	0	+8	+2	−6	+4	−7	+9	−8	−1	−8
4	−6	−6	−22	−5	−8	0	−10	+5	−3	+7	−2	+8	+3	−3	+7	−4	+21	−6	0	−8
5	−3	−8	−12	−8	−7	−4	−13	+1	−4	+6	−4	+7	+3	+1	+8	−1	+29	−3	+1	−6
6	0	−9	+1	−9	−5	−8	−13	−2	−5	+3	−5	+5	+2	+5	+8	+3	+34	+1	+3	−3
7	+4	−8	+13	−9	−3	−10	−12	−6	−5	0	−6	+2	+1	+8	+7	+7	+32	+5	+4	0
8	+7	−6	+24	−7	0	−10	−8	−8	−5	−3	−6	−1	0	+10	+5	+9	+25	+7	+4	+3
9	+8	−3	+30	−5	+3	−9	−4	−9	−3	−6	−4	−4	−1	+10	+2	+10	+15	+9	+3	+6
10	+8	0	+30	−1	+5	−6	+1	−8	−1	−7	−2	−6	−2	+8	−2	+9	+2	+9	+2	+8
11	+6	+4	+23	+2	+6	−2	+6	−5	+1	−6	0	−6	−2	+5	−4	+6	−11	+7	+1	+7
12	+3	+6	+10	+5	+5	+3	+9	−1	+3	−4	+3	−5	−2	0	−5	+2	−20	+3	−1	+5
13	−2	+6	−7	+6	+3	+7	+9	+4	+4	0	+4	−1	−1	−4	−5	−3	−22	−2	−2	+1
14	−7	+4	−23	+6	−1	+9	+6	+8	+4	+5	+5	+3	0	−8	−3	−7	−18	−6	−3	−3
15	−10	+1	−36	+3	−5	+8	+1	+11	+3	+8	+4	+7	+1	−9	0	−10	−8	−10	−3	−8
16	−11	−3	−41	−1	−9	+6	−5	+11	0	+11	+2	+10	+2	−9	+4	−10	+6	−11	−2	−10
17	−10	−6	−37	−5	−10	+2	−10	+9	−2	+11	−1	+10	+3	−6	+7	−8	+21	−10	−1	−11
18	−6	−9	−24	−8	−9	−2	−13	+4	−4	+8	−3	+9	+4	−2	+9	−4	+32	−6	+1	−9

Nördliche Polsterne 1928

Kurzperiodische Mondglieder (in 0″·01, bez. 0″·01)

Tag	*Na*		*Nb*		*Nc*		*Nd*		*Ne*		*Nf*		*Ng*		*Nh*		*Ni*		*Nk*	
1928	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.
Mai 18	−6	−9	−24	−8	−9	−2	−13	+4	−4	+8	−3	+9	+4	−2	+9	−4	+32	−6	+1	−9
19	−1	−9	−6	−9	−6	−6	−13	−1	−5	+4	−5	+5	+3	+3	+9	+1	+35	−1	+2	−5
20	+4	−7	+13	−8	−2	−8	−10	−6	−5	−2	−5	0	+1	+7	+7	+6	+30	+4	+3	0
21	+8	−4	+29	−5	+3	−9	−4	−9	−3	−6	−4	−5	0	+9	+2	+9	+17	+8	+3	+5
22	+11	+1	+39	0	+8	−7	+3	−11	−1	−10	−3	−9	−2	+9	−2	+10	0	+10	+3	+9
23	+11	+6	+40	+4	+11	−3	+10	−10	+1	−12	0	−11	−3	+7	−7	+9	−19	+10	+1	+11
24	+8	+10	+32	+8	+12	+1	+15	−7	+4	−11	+3	−12	−4	+3	−10	+6	−34	+8	0	+11
25	+5	+12	+20	+11	+11	+5	+17	−3	+6	−9	+5	−10	−4	−2	−12	+1	−43	+4	−2	+9
26	+1	+12	+4	+12	+8	+9	+17	+1	+6	−5	+6	−7	−3	−6	−11	−3	−45	0	−3	+5
27	−3	+10	−11	+10	+4	+10	+14	+5	+6	0	+6	−3	−2	−9	−9	−7	−39	−4	−4	+1
28	−6	+7	−22	+8	0	+10	+9	+8	+5	+3	+5	+1	−1	−10	−5	−9	−28	−7	−4	−3
29	−8	+3	−28	+4	−3	+8	+3	+9	+3	+6	+4	+4	+1	−9	−1	−9	−13	−9	−3	−6
30	−8	−1	−29	0	−6	+5	−3	+8	0	+7	+2	+7	+2	−7	+2	−8	+3	−8	−2	−8
31	−7	−5	−25	−4	−7	+1	−8	+6	−2	+7	−1	+8	+2	−4	+5	−5	+15	−7	−1	−8
Juni 1	−4	−7	−16	−7	−7	−3	−11	+3	−3	+6	−3	+7	+2	0	+7	−2	+25	−4	+1	−6
2	−1	−8	−4	−8	−6	−6	−13	−1	−5	+4	−5	+5	+2	+3	+8	+2	+31	0	+2	−4
3	+3	−8	+9	−9	−4	−9	−12	−5	−5	0	−6	+3	+2	+7	+7	+5	+32	+3	+3	−1
4	+6	−7	+21	−8	−1	−10	−9	−7	−5	−3	−6	−1	+1	+9	+5	+8	+27	+7	+4	+3
5	+8	−4	+29	−5	+3	−9	−5	−9	−4	−5	−5	−4	{0 / −1}	{+10 / +9}	+2	+9	+17	+9	+4	+6
6	+9	−1	+32	−2	+5	−7	0	−9	−2	−7	−3	−6	−2	+6	−1	+9	+5	+9	+3	+8
7	+7	+3	+27	+2	+6	−3	+5	−6	0	−7	0	−7	−2	+2	−4	+7	−8	+8	+1	+8
8	+4	+5	+16	+5	+6	+1	+8	−3	+2	−5	+2	−6	−2	−3	−6	+3	−18	+4	0	+6
9	0	+6	0	+7	+4	+5	+9	+2	+4	−1	+4	−3	−1	−7	−6	−1	−23	0	−2	+3
10	−5	+6	−17	+6	0	+8	+7	+7	+4	+3	+5	+1	+1	−9	−4	−6	−22	−5	−3	−2
11	−9	+3	−32	+4	−3	+9	+3	+10	+3	+7	+4	+5	+2	−9	−1	−9	−13	−9	−3	−6
12	−11	−1	−40	0	−7	+7	−3	+11	+1	+10	+3	+9	+3	−7	+3	−10	+1	−11	−3	−10
13	−11	−5	−40	−4	−10	+4	−9	+10	−1	+11	0	+11	+4	−3	+7	−9	+17	−11	−1	−11
14	−8	−9	−31	−7	−10	−1	−13	+6	−3	+10	−2	+10	+3	+1	+9	−6	+30	−8	0	−11
15	−4	−10	−15	−10	−9	−5	−15	+1	−5	+6	−5	+8	+2	+6	+10	−1	+37	−3	+2	−8
16	+1	−9	+4	−10	−5	−8	−13	−4	−5	+1	−6	+3	+1	+9	+9	+4	+36	+2	+3	−4
17	+6	−6	+23	−7	0	−10	−8	−8	−4	−4	−5	−2	−1	+10	+5	+8	+26	+6	+4	+2
18	+10	−2	+35	−3	+5	−8	−1	−10	−2	−8	−4	−7	−3	+8	0	+10	+10	+10	+3	+7
19	+10	+3	+39	+2	+9	−5	+7	−10	0	−11	−1	−10	−4	+5	−5	+10	−9	+10	+2	+10
20	+9	+8	+36	+6	+11	−1	+13	−8	+3	−11	+2	−12	−4	0	−9	+7	−26	+9	+1	+11
21	+6	+11	+25	+10	+11	+4	+17	−4	+5	−10	+4	−11	−3	−4	{−11 / −11}	{+3 / −1}	−39	+6	−1	+10
22	+2	+12	+10	+12	+9	+8	+17	0	+6	−6	+6	−8	−2	−8	−10	−5	−44	+1	−3	+7
23	−2	+11	−6	+11	+6	+10	+15	+4	+6	−2	+7	−4	−1	−10	−7	−8	−42	−3	−4	+2
24	−5	+8	−18	+9	+2	+10	+11	+7	+5	+2	+6	−1	0	−10	−3	−9	−33	−6	−4	−1
25	−7	+4	−27	+6	−2	+9	+5	+8	+4	+5	+5	+3	+1	−8	+1	−9	−20	−8	−4	−5
26	−8	0	−29	+2	−5	+6	0	+8	+1	+7	+2	+6	+2	−5	+4	−6	−5	−9	−3	−7
27	−7	−3	−27	−2	−7	+3	−6	+6	−1	+7	0	+7	+2	−2	+6	−3	+10	−7	−1	−8
28	−5	−6	−19	−5	−7	−1	−10	+4	−3	+6	−2	+7	+2	+2	+7	0	+21	−5	0	−7
29	−2	−8	−8	−8	−6	−5	−12	0	−4	+4	−4	+6	+2	+6	+7	+4	+29	−1	+2	−5
30	+2	−8	+5	−9	−4	−8	−12	−3	−5	+1	−5	+3	+1	+8	+6	+7	+31	+2	+3	−2
Juli 1	+5	−7	+18	−8	−1	−9	−10	−7	−5	−2	−6	0	0	+10	+3	+9	+28	+6	+4	+2
2	+7	−5	+27	−6	+2	−9	−6	−9	−4	−5	−5	−3	−1	+9	0	+10	+20	+8	+4	+5
3	+9	−2	+32	−3	+4	−8	−1	−9	−2	−7	−3	−6	−2	+7	−3	+8	+8	+9	+3	+7

Nördliche Polsterne 1928

Kurzperiodische Mondglieder (in 0ˢ.01, bez. 0″.01)

Tag	*Na*		*Nb*		*Nc*		*Nd*		*Ne*		*Nf*		*Ng*		*Nh*		*Ni*		*Nk*	
1928	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.
Juli 3	+ 9	− 2	+32	− 3	+ 4	− 8	− 1	− 9	−2	− 7	−3	− 6	−2	+ 7	− 3	+ 8	+ 8	+ 9	+3	+ 7
4	+ 8	+ 2	+31	+ 1	+ 6	− 4	+ 4	− 8	0	− 8	−1	− 7	−2	+ 3	− 5	+ 5	{− 5 / −17}	{+9 / +6}	+2	+ 8
5	+ 6	+ 5	+22	+ 4	+ 7	0	+ 8	− 4	+2	− 6	+1	− 7	−2	− 1	− 6	+ 1	−24	+ 2	0	+ 7
6	+ 2	+ 7	+ 8	+ 6	+ 5	+ 4	+10	0	+4	− 4	+4	− 5	−1	− 5	− 6	− 4	−25	− 3	−1	+ 5
7	− 3	+ 7	− 9	+ 7	+ 2	+ 8	+ 9	+ 5	+4	0	+5	− 1	0	− 8	− 3	− 8	−19	− 7	−3	+ 1
8	− 8	+ 5	−26	+ 6	− 2	+ 9	+ 6	+ 9	+4	+ 5	+5	+ 3	+1	−10	0	−10	− 7	−10	−3	− 4
9	−10	+ 1	−37	+ 3	− 6	+ 8	0	+11	+2	+ 9	+4	+ 7	+3	− 9	+ 5	−10	+ 9	−11	−3	− 8
10	−11	− 3	−41	− 2	− 9	+ 5	− 6	+11	0	+11	+1	+10	+4	− 5	+ 8	− 8	+25	− 9	−2	−11
11	−10	− 7	−36	− 6	−11	+ 1	−12	+ 8	−2	+11	−1	+11	+4	− 1	+10	− 3	+35	− 5	−1	−11
12	− 6	−10	−22	− 9	−10	− 4	−15	+ 4	−4	+ 8	−4	+ 9	+3	+ 4	+10	+ 2	+39	0	+1	− 9
13	− 1	−10	− 4	−10	− 7	− 7	−14	− 2	−5	+ 4	−5	+ 6	+2	+ 8	+ 7	+ 6	+33	+ 5	+3	− 5
14	+ 4	− 8	+15	− 9	− 2	− 9	−11	− 6	−5	− 1	−6	+ 1	0	+10	+ 3	+ 9	+19	+ 9	+4	0
15	+ 8	− 4	+30	− 6	+ 3	− 9	− 4	−10	−4	− 6	−5	− 4	−2	+ 9	− 2	+10	+ 1	+10	+4	+ 5
16	+10	+ 1	+38	− 1	+ 7	− 7	+ 3	−11	−1	−10	−3	− 8	−3	+ 6	− 6	+ 9	−17	+10	+3	+ 9
17	+10	+ 6	+37	+ 4	+10	− 3	+10	− 9	+1	−11	0	−11	−4	+ 2	−10	+ 5	−32	+ 7	+1	+11
18	+ 7	+ 9	+29	+ 8	+11	+ 2	+14	− 6	+4	−10	+3	−11	−3	− 2	−11	+ 1	−40	+ 3	−1	+10
19	+ 4	+11	+15	+11	+ 9	+ 6	+17	− 1	+5	− 7	+5	− 9	−3	− 6	−10	− 4	−42	− 1	−2	+ 8
20	− 1	+11	− 1	+11	+ 6	+ 9	+16	+ 3	+6	− 3	+6	− 6	−2	− 9	− 8	− 7	−36	− 5	−4	+ 4
21	− 4	+ 9	−15	+10	+ 3	+10	+12	+ 6	+6	+ 1	+6	− 2	0	−10	− 4	− 9	−24	− 8	−4	0
22	− 7	+ 6	−25	+ 7	− 1	+10	+ 7	+ 8	+4	+ 4	+5	+ 2	+1	− 9	0	− 9	−10	− 9	−4	− 4
23	− 8	+ 2	−30	+ 3	− 4	+ 7	+ 1	+ 8	+2	+ 6	+3	+ 5	+2	− 7	+ 3	− 8	+ 5	− 8	−3	− 7
24	− 8	− 2	−29	− 1	− 6	+ 4	− 4	+ 7	0	+ 7	+1	+ 7	+2	− 3	+ 6	− 5	+17	− 6	−2	− 8
25	− 6	− 5	−22	− 4	− 7	0	− 8	+ 5	−2	+ 7	−1	+ 7	+2	+ 1	+ 7	− 1	+26	− 3	0	− 7
26	− 3	− 7	−12	− 7	− 7	− 4	−11	+ 1	−4	+ 5	−3	+ 6	+2	+ 4	+ 7	+ 3	+30	+ 1	+1	− 6
27	0	− 8	0	− 8	− 5	− 7	−12	− 2	−5	+ 3	−5	+ 4	+1	+ 7	+ 6	+ 6	+29	+ 4	+2	− 3
28	+ 4	− 8	+13	− 8	− 2	− 9	−11	− 6	−5	− 1	−6	+ 1	0	+ 9	+ 4	+ 8	+23	+ 7	+3	0
29	+ 7	− 6	+25	− 7	+ 1	−10	− 8	− 8	−4	− 4	−5	− 2	−1	+ 9	+ 1	+10	+13	+ 9	+4	+ 4
30	+ 8	− 3	+31	− 4	+ 4	− 8	− 3	− 9	−3	− 6	−4	− 5	−2	+ 8	− 2	+ 9	0	+ 9	+3	+ 6
31	+ 9	+ 1	+32	0	+ 6	− 6	+ 2	− 8	−1	− 8	−2	− 7	−2	+ 5	− 5	+ 6	−13	+ 7	+2	+ 8
Aug. 1	+ 7	+ 4	+26	+ 3	+ 7	− 2	+ 7	− 6	+1	− 7	0	− 7	−2	+ 1	− 7	+ 2	−23	+ 4	+1	+ 8
2	+ 4	+ 7	+14	+ 6	+ 6	+ 3	+10	− 2	+3	− 5	+3	− 6	−2	− 4	− 7	− 2	−27	− 1	−1	+ 6
3	− 1	+ 7	− 2	+ 8	+ 4	+ 7	+11	+ 3	+4	− 2	+5	− 3	−1	− 7	− 5	− 6	−24	− 5	{−2 / −3}	{+3 / −2}
4	− 5	+ 6	−18	+ 7	0	+ 9	+ 8	+ 7	+4	+ 3	+5	+ 1	+1	− 9	− 2	− 9	−14	− 9	−3	− 6
5	− 9	+ 3	−32	+ 5	− 4	+ 9	+ 3	+10	+3	+ 7	+5	+ 5	+2	− 9	+ 2	−10	0	−11	−3	−10
6	−11	− 1	−39	+ 1	− 7	+ 7	− 3	+11	+1	+10	+3	+ 9	+3	− 7	+ 6	− 9	+17	−10	−1	−11
7	−10	− 5	−38	− 4	−10	+ 3	− 9	+ 9	−1	+11	0	+10	+4	− 3	+ 9	− 5	+30	− 7	0	−10
8	− 7	− 8	−27	− 7	−10	− 2	−13	+ 5	−4	+ 9	−3	+10	+3	+ 2	+10	0	+37	− 2	+2	− 6
9	− 3	−10	−11	−10	− 8	− 6	−15	0	−5	+ 5	−5	+ 7	+2	+ 7	+ 8	+ 5	+35	+ 3	+3	− 2
10	+ 3	− 9	+ 8	− 9	− 4	− 9	−12	− 5	−5	0	−6	+ 3	0	+ 9	+ 5	+ 9	+26	+ 7	+4	+ 3
11	+ 7	− 6	+25	− 7	+ 1	−10	− 7	− 9	−4	− 4	−6	− 2	−1	+10	0	+10	+ 9	+10	+3	+ 8
12	+10	− 1	+36	− 3	+ 5	− 8	0	−10	−2	− 8	−4	− 7	−3	+ 8	− 5	+10	− 9	+10	+2	+10
13	+10	+ 3	+39	+ 2	+ 9	− 5	+ 7	−10	0	−10	−1	−10	−3	+ 4	− 8	+ 7	−26	+ 8	0	+11
14	+ 9	+ 8	+33	+ 6	+10	0	+12	− 7	+3	−10	+2	−11	−4	0	−10	+ 2	−37	+ 5	−1	+ 9
15	+ 5	+10	+20	+ 9	+10	+ 4	+16	− 3	+5	− 8	+4	−10	−3	− 5	−10	− 2	−41	0	−3	+ 5
16	+ 1	+11	+ 5	+11	+ 7	+ 8	+16	+ 1	+6	− 4	+6	− 7	−2	− 8	− 8	− 6	−38	− 4	−4	+ 1
17	− 3	+10	−11	+10	+ 4	+10	+13	+ 5	+6	0	+6	− 3	−1	−10	− 5	− 9	−28	− 7	−4	− 3
18	− 6	+ 7	−22	+ 8	0	+10	+ 9	+ 8	+5	+ 3	+6	+ 1	+1	− 9	− 2	− 9	−14	− 9	−3	− 6

Nördliche Polsterne 1928

Kurzperiodische Mondglieder (in 0ˢ.01, bez. 0″.01)

Tag	*Na*		*Nb*		*Nc*		*Nd*		*Ne*		*Nf*		*Ng*		*Nh*		*Ni*		*Nk*	
1928	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.
Aug. 18	−6	+7	−22	+8	0	+10	+9	+8	+5	+3	+6	+1	+1	−9	−2	−9	−14	−9	−3	−6
19	−8	+3	−29	+4	−3	+8	+3	+9	+3	+6	+4	+4	+2	−8	+2	−8	0	−9	−2	−7
20	−8	−1	−30	0	−6	+5	−2	+8	+1	+7	+2	+7	+2	−5	+5	−6	+14	−7	−1	−8
21	−7	−4	−26	−3	−7	+1	−7	+6	−1	+7	0	+8	+3	−1	+7	−3	+24	−4	+1	−7
22	−4	−7	−17	−6	−7	−2	−11	+3	−3	+6	−3	+7	+2	+3	+8	+1	+30	−1	+2	−4
23	−1	−8	−5	−8	−6	−6	−12	−1	−5	+4	−5	+5	+2	+6	+7	+5	+31	+3	+3	−1
24	+3	−8	+8	−9	−4	−9	−12	−4	−5	+1	−6	+3	+1	+9	+5	+8	+27	+6	+4	+2
25	+6	−7	+20	−8	−1	−10	−9	−7	−5	−3	−6	0	0	+10	+2	+9	+18	+9	+4	+5
26	+8	−4	+29	−6	+2	−9	−5	−9	−4	−5	−5	−3	−1	+9	−1	+9	+6	+9	+3	+7
27	+9	−1	+32	−2	+5	−7	0	−9	−2	−7	−3	−6	−2	+6	−4	+7	−8	+8	+2	+8
28	+8	+3	+29	+1	+7	−3	+5	−7	0	−8	−1	−7	−2	+2	−6	+4	−19	+5	0	+7
29	+5	+6	+19	+5	+7	+1	+9	−4	+2	−6	+2	−7	−2	−2	−7	0	−26	+1	−2	+4
30	+1	+7	+5	+7	+5	+5	+10	+1	+4	−3	+4	−4	−1	−6	−6	−5	−26	−3	−3	0
31	−3	+7	−12	+7	+2	+8	+9	+5	+4	+1	+5	−1	0	−9	−3	−8	−19	−8	−4	−4
Sept. 1	−7	+5	−27	+6	−2	+9	+6	+9	+4	+5	+5	+3	+1	−10	+1	−10	−7	−10	−3	−8
2	−10	+1	−37	+3	−6	+8	0	+11	+2	+9	+4	+7	+3	−8	+5	−10	+9	−11	−2	−11
3	−11	−3	−39	−2	−9	+5	−6	+10	0	+10	+1	+10	+3	−5	+8	−7	+23	−8	0	−10
4	−9	−7	−32	−6	−10	+1	−12	+7	−2	+11	−1	+10	+3	0	+9	−2	+33	−4	+1	−8
5	−4	−9	−18	−8	−8	−4	−15	+2	−4	+7	−4	+8	+2	+5	+9	+3	+35	+1	+3	−3
6	+1	−9	+1	−9	−5	−8	−13	−3	−5	+2	−5	+4	+1	+8	+6	+7	+28	+6	+3	+2
7	+5	−7	+19	−8	−1	−10	−9	−7	−5	−3	−6	−1	−1	+10	+1	+10	+15	+9	+3	+7
8	+9	−3	+33	−4	+4	−9	−3	−10	−3	−7	−5	−6	−2	+9	−3	+10	−3	+11	+3	+10
9	+11	+2	+39	0	+8	−6	+4	−10	−1	−10	−2	−9	−3	+6	−7	+8	−21	+9	+1	+11
10	+10	+6	+36	+5	+10	−2	+11	−9	+2	−11	+1	−11	−4	+1	−10	+4	−34	+6	−1	+10
11	+7	+10	+26	+9	+10	+3	+15	−5	+4	−9	+3	−10	−3	−3	−10	0	−41	+2	−2	+7
12	+3	+11	+12	+11	+9	+7	+17	0	+5	−6	+5	−8	−2	−7	−9	−5	−40	−2	−3	+3
13	−2	+10	−5	+11	+5	+9	+15	+4	+6	−2	+6	−4	−1	−9	−7	−8	−32	−6	−4	−2
14	−5	+8	−18	+9	+2	+10	+10	+7	+5	+2	+6	0	0	−10	−3	−9	−19	−8	−4	−5
15	−8	+4	−28	+6	−2	+9	+5	+9	+4	+5	+5	+3	+1	−9	+1	−9	−4	−9	−3	−7
16	−8	0	−31	+2	−5	+6	−1	+9	+1	+7	+3	+6	+2	−6	+4	−7	+12	−8	−1	−8
17	−8	−3	−29	−2	−7	+3	−6	+7	−1	+8	0	+8	+3	−2	+6	−4	+21	−5	0	−7
18	−5	−6	−21	−5	−7	−1	−10	+4	−3	+7	−2	+8	+2	+2	+8	0	+29	−2	+2	−5
19	−2	−8	−9	−8	−7	−5	−12	0	−4	+5	−4	+6	+2	+6	+7	+4	+32	+2	+3	−2
20	+1	−8	+4	−9	−5	−8	−12	−3	−5	+2	−5	+4	+1	+8	+6	+7	+29	+5	+4	+1
21	+5	−7	+16	−8	−2	−10	−11	−6	−5	−1	−6	+1	0	+10	+4	+9	+22	+8	+4	+4
22	+7	−5	+26	−7	+1	−10	−7	−9	−4	−4	−5	−2	−1	+10	+1	+10	+11	+9	+3	+7
23	+9	−2	+31	−4	+4	−8	−2	−9	−3	−6	−4	−5	−2	+8	−2	+8	−1	+9	+2	+8
24	+8	+1	+30	0	+6	−5	+3	−8	−1	−7	−2	−6	−2	+4	−5	+6	−13	+6	+1	+7
25	+5	+4	+23	+3	+6	−1	+7	−5	+1	−7	+1	−7	−2	0	−6	+2	−22	+3	−1	+5
26	+2	+6	+10	+6	+5	+3	+9	−1	+3	−4	+3	−5	−1	−4	−6	−3	−25	−2	−2	+1
27	−2	+7	−7	+7	+3	+7	+10	+4	+4	0	+5	−2	0	−8	−4	−7	−21	−6	−3	−3
28	−6	+5	−23	+6	−1	+9	+7	+8	+4	+4	+5	+2	+1	−10	−1	−10	−11	−10	−3	−7
29	−10	+2	−35	+4	−5	+9	+2	+10	+3	+8	+4	+6	+2	−9	+3	−11	+3	−11	−3	−10
30	−11	−2	−40	0	−8	+7	−4	+11	+1	+10	+2	+9	+3	−6	+7	−9	+18	−10	−1	−11
Okt. 1	−10	−6	−36	−4	−10	+3	−9	+9	−1	+10	0	+10	+3	−2	+9	−4	+30	−6	+1	−9
2	−6	−8	−24	−7	−9	−2	−13	+4	−4	+8	−3	+9	+3	+3	+9	+1	+35	−1	+2	−5
3	−1	−9	−6	−9	−7	−6	−14	−1	−5	+4	−5	+6	+1	+7	+7	+6	+31	+4	+3	0

Nördliche Polsterne 1928

Kurzperiodische Mondglieder (in 0ˢ.01, bez. 0″.01)

Tag	*Na*		*Nb*		*Nc*		*Nd*		*Ne*		*Nf*		*Ng*		*Nh*		*Ni*		*Nk*	
1928	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.
Okt. 3	− 1	− 9	− 6	− 9	− 7	− 6	−14	− 1	−5	+ 4	−5	+ 6	+1	+ 7	+ 7	+ 6	+31	+ 4	+3	0
4	+ 4	− 8	+13	− 8	− 2	− 9	−10	− 6	−5	− 1	−6	+ 1	0	+ 9	+ 3	+ 9	+19	+ 8	+4	+ 5
5	+ 8	− 4	+29	− 5	+ 3	− 9	− 5	− 9	−4	− 6	−5	− 4	−2	+10	− 2	+10	+ 3	+11	+3	+ 9
6	{+11 +11	0 +5}	+39	− 1	+ 7	− 8	+ 2	−11	−1	−10	−3	− 9	−3	+ 7	− 6	+ 9	−16	+10	+2	+11
7	+ 9	+ 9	+40	+ 4	+10	− 4	+ 9	−10	+1	−11	0	−11	−4	+ 3	−10	+ 6	−32	+ 8	0	+11
8	+ 5	+11	+32	+ 8	+11	+ 1	+14	− 7	+4	−11	+3	−12	−4	− 1	−11	+ 1	−41	+ 4	−2	+ 9
9	0	+11	+19	+10	+10	+ 5	+17	− 2	+5	− 8	+5	−10	−3	− 6	−11	− 3	−43	− 1	−3	+ 5
10	− 4	+ 9	+ 2	+11	+ 7	+ 9	+16	+ 2	+6	− 4	+6	− 6	−2	− 9	− 8	− 7	−37	− 5	−4	0
11	− 7	+ 6	−13	+10	+ 3	+10	+13	+ 6	+6	0	+6	− 2	0	−10	− 5	− 9	−26	− 8	−4	− 4
12	− 8	+ 2	−25	+ 7	− 1	+10	+ 8	+ 8	+4	+ 4	+5	+ 2	+1	− 9	− 1	− 9	−11	− 9	−3	− 7
13	− 8	− 2	−30	+ 3	− 4	+ 8	+ 2	+ 9	+2	+ 7	+4	+ 5	+2	− 7	+ 3	− 8	+ 4	− 8	−2	− 8
14	− 6	− 5	−31	− 1	− 6	+ 4	− 4	+ 8	0	+ 8	+1	+ 7	+3	− 4	+ 6	− 5	+17	− 6	0	− 8
15	− 3	− 7	{−24 −14	−4 −7}	− 7	0	− 8	+ 5	−2	+ 7	−1	+ 8	+3	0	+ 7	− 2	+26	− 3	+1	− 6
16	0	− 8	− 2	− 8	− 7	− 3	−11	+ 2	−4	+ 6	−3	+ 7	+2	+ 4	+ 8	+ 2	+31	0	+2	− 3
17	+ 3	− 8	+11	− 9	− 5	− 7	−12	− 2	−5	+ 3	−5	+ 5	+1	+ 7	+ 7	+ 6	+30	+ 4	+3	0
18	+ 6	− 6	+22	− 7	− 3	− 9	−11	− 5	−5	0	−6	+ 2	0	+ 9	+ 5	+ 8	+25	+ 7	+4	+ 3
19	+ 8	− 3	+31	− 5	0	−10	− 9	− 8	−5	− 3	−6	− 1	−1	+10	+ 2	+10	+16	+ 9	+4	+ 6
20	+ 9	− 1	+31	− 2	+ 3	− 9	− 4	− 9	−3	− 6	−5	− 4	−2	+ 8	− 1	+ 9	+ 4	+ 9	+3	+ 7
21	+ 7	+ 3	+26	+ 2	+ 5	− 6	+ 1	− 9	−2	− 7	−3	− 6	−2	+ 6	− 4	+ 7	− 8	+ 7	+1	+ 8
22	+ 4	+ 5	+15	+ 5	+ 6	− 3	+ 5	− 6	+1	− 7	0	− 6	−2	+ 2	− 5	+ 3	−18	+ 4	0	+ 6
23	0	+ 6	0	+ 6	+ 6	+ 1	+ 8	− 2	+2	− 5	+2	− 5	−2	− 3	− 6	− 1	−23	0	−2	+ 3
24	− 5	+ 5	−17	+ 6	+ 4	+ 5	+ 9	+ 2	+4	− 1	+4	− 3	−1	− 7	− 4	− 6	−21	− 5	−3	− 2
25	− 9	+ 3	−32	+ 4	0	+ 8	+ 7	+ 6	+4	+ 3	+5	+ 1	+1	− 9	− 1	− 9	−13	− 9	−3	− 6
26	−11	− 1	−40	+ 1	− 4	+ 9	+ 3	+10	+3	+ 7	+5	+ 5	+2	− 9	+ 2	−10	0	−11	−3	−10
27	−11	− 5	−40	− 3	− 8	+ 7	− 2	+11	+1	+10	+3	+ 9	+3	− 8	+ 6	−10	+15	−11	−2	−12
28	− 8	− 8	−31	− 7	−10	+ 4	− 8	+10	−1	+11	+1	+11	+4	− 4	+ 9	− 6	+28	− 8	0	−11
29	− 4	−10	−15	− 9	−10	0	−13	+ 6	−3	+10	−2	+10	+3	+ 1	+10	− 1	+36	− 3	+2	− 8
30	+ 2	− 9	+ 5	− 9	− 8	− 5	−15	+ 2	−5	+ 6	−4	+ 8	+2	+ 5	+ 9	+ 4	+34	+ 2	+3	− 3
31	+ 7	− 6	+24	− 7	− 4	− 8	−12	− 4	−5	+ 1	−6	+ 3	+1	+ 9	+ 5	+ 8	+25	+ 7	+4	+ 3
Nov. 1	+10	− 1	+36	− 3	+ 1	−10	− 7	− 8	−4	− 4	−6	− 2	−1	+10	0	+10	+10	+10	+3	+ 8
2	+11	+ 4	+41	+ 2	+ 5	− 8	0	−11	−2	− 9	−4	− 7	−3	+ 8	− 5	+10	−10	+11	+2	+11
3	+10	+ 8	+37	+ 7	+ 9	− 5	+ 7	−10	0	−11	−1	−11	−4	+ 5	− 9	+ 7	−28	+ 9	0	+12
4	+ 7	+11	+26	+10	+11	− 1	+13	− 8	+3	−12	+2	−12	−4	0	−11	+ 3	−40	+ 6	−1	+10
5	+ 2	+12	+ 9	+12	+11	+ 4	+17	− 4	+5	−10	+4	−11	−4	− 4	−12	− 1	−45	+ 1	−3	+ 7
6	− 2	+11	− 7	+11	+ 9	+ 8	+18	0	+6	− 6	+6	− 8	−2	− 8	−10	− 6	−43	− 3	−4	+ 2
7	− 6	+ 8	−21	+ 9	+ 5	+10	+15	+ 4	+6	− 2	+7	− 4	−1	−10	− 7	− 9	−33	− 7	−4	− 2
8	− 8	+ 4	−29	+ 5	+ 1	+11	+10	+ 8	+5	+ 2	+6	0	0	−10	− 3	−10	−18	− 9	−4	− 6
9	− 8	0	−31	+ 1	− 2	+ 9	+ 5	+ 9	+3	+ 5	+4	+ 4	+1	− 8	+ 1	− 9	− 3	− 9	−3	− 7
10	− 7	− 4	−26	− 3	− 5	+ 6	− 1	+ 8	+1	+ 7	+2	+ 6	+2	− 5	+ 4	− 6	+12	− 7	−1	− 8
11	− 5	− 6	−18	− 6	− 7	+ 2	− 6	+ 6	−1	+ 7	0	+ 7	+2	− 1	+ 6	− 3	+22	− 4	+1	− 7
12	− 1	− 8	− 5	− 8	− 7	− 2	−10	+ 3	−3	+ 6	−2	+ 7	+2	+ 3	+ 7	+ 1	+29	− 1	+2	− 4
13	+ 2	− 8	+ 7	− 8	− 6	− 6	−12	− 1	−4	+ 4	−4	+ 5	+2	+ 6	+ 7	+ 5	+30	+ 3	+3	− 1
14	+ 6	− 7	+19	− 8	− 4	− 8	−12	− 4	−5	+ 1	−5	+ 3	+1	+ 9	+ 5	+ 8	+26	+ 6	+4	+ 2
15	+ 8	− 4	+28	− 6	− 1	−10	−10	− 7	−5	− 2	−6	0	0	+10	+ 3	+ 9	+18	+ 8	+4	+ 5
16	+ 9	− 1	+31	− 3	+ 2	− 9	− 6	− 9	−4	− 5	−5	− 3	−1	+ 9	0	+ 9	+ 7	+ 9	+3	+ 7
17	+ 8	+ 2	+29	+ 1	+ 5	− 7	− 1	− 9	−2	− 7	−3	− 5	−2	+ 7	− 3	+ 8	− 5	+ 8	+2	+ 8
18	+ 5	+ 5	+20	+ 4	+ 6	− 4	+ 4	− 7	0	− 7	−1	− 7	−2	+ 3	− 5	+ 5	−15	+ 6	0	+ 7

Nördliche Polsterne 1928

Kurzperiodische Mondglieder (in 0ˢ.01, bez. 0".01)

Tag	*Na*		*Nb*		*Nc*		*Nd*		*Ne*		*Nf*		*Ng*		*Nh*		*Ni*		*Nk*	
1928	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.
Nov. 18	+5	+5	+20	+4	+6	−4	+4	−7	0	−7	−1	−7	−2	+3	−5	+5	−15	+6	0	+7
19	+1	+6	+6	+6	+6	0	+7	−4	+2	−6	+1	−6	−2	−1	−6	0	−21	+2	−1	+4
20	−3	+6	−11	+6	+5	+4	+9	0	+3	−3	+3	−4	−1	−5	−5	−4	−22	−3	−2	0
21	−7	+4	−27	+5	+2	+7	+8	+5	+4	+1	+5	0	0	−8	−2	−8	−16	−7	−3	−5
22	−10	0	−38	+2	−2	+9	+4	+9	+3	+6	+5	+4	+2	−9	+1	−10	−4	−10	−3	−9
23	−11	−4	−42	−2	−7	+8	−1	+11	+2	+9	+3	+8	+3	−8	+5	−10	+12	−11	−2	−11
24	−10	−8	−37	−6	{−10 / −11}	{+5 / +1}	−7	+11	0	+11	+1	+11	+4	−5	+9	−8	+26	−9	0	−12
25	−6	−10	−23	−9	−10	−4	−12	+8	−3	+11	−1	+11	+4	−1	+10	−3	+37	−6	+1	−9
26	−1	−10	−5	−10	−7	−7	−15	+4	−5	+8	−4	+10	+3	+4	+10	+2	+39	0	+3	−5
27	+4	−8	+15	−9	−2	−10	−15	−2	−5	+4	−5	+6	+2	+8	+7	+6	+33	+5	+4	0
28	+9	−4	+31	−5	+3	−9	−11	−6	−5	−2	−6	+1	0	+10	+3	+10	+19	+9	+4	+5
29	+11	+1	+40	0	+8	−7	−4	−10	−3	−7	−5	−5	−2	+10	−2	+10	0	+11	+3	+10
30	+10	+6	+39	+5	+11	−3	+4	−11	−1	−10	−3	−9	−3	+7	−7	+9	−20	+10	+1	+12
Dez. 1	+8	+10	+30	+9	+12	+2	+11	−9	+2	−12	0	−12	−4	+2	−11	+5	−36	+7	−1	+11
2	+4	+12	+17	+12	+10	+7	+16	−6	+4	−11	+3	−12	−4	−3	−12	0	−45	+3	−2	+8
3	0	+12	0	+12	+7	+10	+18	−2	+6	−8	+5	−10	−3	−7	−11	−4	−46	−1	−4	+4
4	−4	+10	−15	+10	+3	+11	+17	+3	+7	−4	+7	−6	−2	−10	−8	−8	−39	−5	−4	0
5	−7	+6	−25	+7	−1	+10	+13	+6	+6	0	+7	−2	0	−10	−5	−9	−26	−8	−4	−4
6	−8	+2	−30	+3	−4	+7	+8	+8	+4	+4	+5	+2	+1	−9	−1	−9	−10	−9	−3	−6
7	−7	−2	−28	−1	−6	+4	+1	+9	+2	+6	+3	+5	+2	−7	+3	−8	+4	−8	−2	−8
8	−5	−5	−20	−4	−7	0	−4	+7	0	+7	+1	+7	+2	−3	+5	−4	+17	−5	0	−7
9	−2	−7	−10	−7	−6	−4	−8	+4	−2	+6	−2	+7	+2	+1	+7	−1	+25	−2	+1	−5
10	+1	−8	+4	−8	−4	−7	−11	+1	−4	+4	−4	+6	+2	+5	+7	+3	+28	+2	+3	−2
11	+4	−7	+16	−8	−1	−9	−11	−3	−5	+1	−5	+3	+1	+8	+5	+7	+27	+5	+3	+1
12	+7	−5	+26	−6	+1	−9	−10	−6	−5	−2	−5	0	0	+9	+3	+9	+20	+8	+4	+4
13	+9	−2	+31	−3	+4	−8	−7	−8	−4	−5	−5	−3	−1	+9	0	+10	+10	+9	+3	+7
14	+9	+1	+32	0	+6	−5	−2	−9	−3	−7	−4	−5	−2	+8	−3	+9	−2	+9	+2	+8
15	+7	+4	+25	+3	+7	−1	+3	−9	−1	−8	−2	−7	−2	+5	−5	+6	−13	+7	+1	+8
16	+3	+6	+12	+6	+6	+3	+7	−6	+1	−7	0	−7	−2	0	−6	+2	−21	+3	−1	+6
17	−1	+6	−5	+7	+3	+6	+9	−2	+3	−4	+3	−5	−1	−4	−6	−2	−24	−1	−2	+2
18	−6	+5	−21	+6	−1	+8	+9	+3	+4	0	+4	−2	0	−7	−4	−7	−20	−6	−3	−3
19	−9	+2	−35	+3	−5	+9	+6	+7	+4	+4	+5	+2	+1	−9	0	−10	−9	−9	−3	−7
20	−11	−2	−42	−1	−9	+7	+1	+10	+3	+8	+4	+6	+2	−9	+4	−10	+6	−11	−2	−11
21	−11	−7	−41	−5	−11	+3	−5	+11	+1	+11	+2	+10	+4	−7	+8	−9	+22	−11	−1	−12
22	−8	−10	−31	−9	−11	−2	−11	+10	−2	+12	0	+12	+4	−3	+10	−5	+35	−8	0	−11
23	−3	−11	−14	−11	−9	−6	−15	+6	−4	+10	−3	+11	+4	+2	+11	0	+42	−3	+2	−8
24	+2	−10	+6	−10	−5	−9	−16	+1	−5	+7	−5	+9	+2	+7	+9	+4	+40	+2	+4	−3
25	+7	−7	+24	−8	0	−10	−14	−4	−6	+1	−6	+4	+1	+10	+6	+9	+29	+7	+4	+3
26	+10	−2	+36	−3	+5	−9	−8	−9	−4	−4	−6	−2	−1	+10	+1	+10	+11	+10	+3	+8
27	+11	+4	+40	+2	+9	−5	−1	−11	−2	−8	−4	−7	−3	+8	−5	+10	−9	+11	+2	+11
28	+9	+8	+34	+7	+11	0	+7	−10	+1	−11	−1	−10	−4	+4	−9	+7	−28	+9	0	+11
29	+5	+11	+22	+10	+11	+5	+13	−8	+4	−11	+2	−11	−4	0	−11	+2	−41	+5	−2	+8
30	+1	+12	+6	+12	+8	+9	+17	−3	+6	−9	+5	−11	−3	−5	−11	−3	−46	0	−3	+6
31	−3	+11	−10	+11	+5	+11	+17	+1	+6	−5	+6	−8	−2	−9	−10	−7	−42	−4	−4	+1
32	−6	+8	−22	+9	+1	+11	+15	+5	+6	−1	+7	−4	−1	−10	−6	−9	−32	−7	−4	−3

Südliche Polsterne 1928

Kurzperiodische Mondglieder (in $0\overset{s}{.}01$, bez. $0\overset{''}{.}01$)

Tag	*Sa*		*Sb*		*Sc*		*Sd*		*Se*		*Sf*		*Sg*		*Sh*		*Si*		*Sk*	
1928	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.
Jan. 1	+6	−4	+3	+4	−3	+10	−8	+4	−20	−1	−10	−5	−11	−8	−15	−10	+1	−10	+10	−9
2	+3	−7	+3	0	0	+10	−6	+7	−18	+3	−11	−1	−16	−4	−32	−7	−2	−10	+1	−10
3	−1	−9	+2	−5	+3	+7	−2	+9	−12	+7	−10	+4	−16	0	−42	−3	−4	−8	−8	−8
4	−4	−7	+1	−8	+5	+3	+1	+8	−3	+8	−6	+7	−13	+5	−41	+2	−5	−4	−14	−5
5	−6	−5	−1	−9	+6	−2	+5	+5	+6	+8	0	+9	−6	+8	−30	+7	−5	+1	−17	0
6	−7	−2	−2	−8	+6	−7	+7	+1	+14	+6	+5	+8	+2	+10	−12	+10	−4	+6	−16	+4
7	−7	+3	−3	−5	+4	−10	+8	−3	+19	+2	+10	+6	+10	+9	+10	+10	−1	+9	−12	+8
8	−5	+7	−4	−1	+1	−11	+7	−7	+20	−2	+12	+2	+16	+6	+30	+9	+1	+11	−4	+11
9	−2	+10	−4	+3	−2	−10	+5	−10	+17	−6	+12	−2	+19	+2	+45	+6	+3	+11	+4	+11
10	+1	+10	−3	+6	−5	−7	+2	−11	+12	−9	+11	−6	+19	−2	+51	+2	+4	+8	+10	+9
11	+4	+10	−1	+8	−7	−3	−1	−10	+4	−10	+7	−8	+15	−5	+49	−2	+5	+5	+15	+6
12	+5	+7	0	+9	−7	0	−4	−8	−3	−9	+3	−9	+10	−8	+39	−5	+5	+1	+17	+3
13	+6	+4	+1	+8	−6	+4	−5	−4	−9	−7	−1	−9	+3	−9	+23	−7	+4	−2	+16	−1
14	+6	0	+2	+6	−5	+7	−6	0	−13	−4	−5	−7	−4	−8	+5	−8	+2	−6	+12	−5
15	+5	−4	+3	+3	−2	+8	−6	+4	−15	0	−8	−4	−10	−6	−14	−8	0	−8	+7	−7
16	+3	−7	+3	−1	+1	+8	−5	+7	−14	+3	−10	0	−14	−3	−30	−6	−2	−9	0	−8
17	0	−9	+3	−5	+3	+6	−2	+9	−11	+7	−9	+4	−16	0	−42	−3	−3	−8	−7	−8
18	−3	−10	+2	−8	+5	+4	0	+9	−6	+9	−8	+7	−15	+4	−47	+1	−5	−6	−13	−7
19	−5	−8	+1	−10	+7	0	+3	+8	+1	+10	−4	+9	−12	+7	−44	+4	−5	−3	−18	−4
20	−7	−6	−1	−10	+7	−3	+5	+6	+7	+9	0	+10	−6	+9	−33	+7	−5	+1	−18	−1
21	−7	−2	−2	−8	+6	−6	+7	+2	+12	+7	+4	+9	0	+9	−16	+9	−3	+4	−16	+3
22	−5	+2	−2	−4	+4	−8	+7	−2	+15	+3	+7	+6	+6	+7	+4	+8	−1	+7	−10	+6
23	−3	+6	−3	0	+1	−8	+5	−5	+14	−2	+8	+1	+11	+4	+22	+6	+1	+7	−1	+7
24	+1	+8	−2	+5	−3	−6	+2	−7	+9	−6	+8	−3	+13	−1	+35	+2	+3	+6	+7	+7
25	+4	+8	−1	+8	−5	−2	−1	−7	+2	−8	+5	−7	+11	−5	+38	−3	+4	+3	+14	+4
26	+7	+6	+1	+10	−6	+2	−5	−5	−6	−8	0	−9	+6	−9	+32	−7	+5	−1	+18	+1
27	+8	+2	+2	+9	−6	+6	−7	−2	−14	−7	−5	−9	−1	−10	+16	−10	+4	−5	+18	−3
28	+7	−2	+3	+6	−4	+9	−8	+2	−18	−3	−9	−7	−8	−9	−4	−10	+2	−8	+13	−7
29	+5	−6	+3	+1	−1	+10	−7	+6	−18	+1	−11	−3	−13	−6	−24	−8	0	−9	+5	−9
30	+1	−8	+3	−3	+2	+8	−4	+8	−14	+5	−10	+2	−16	−2	−38	−5	−3	−8	−4	−9
31	−2	−8	+1	−7	+5	+5	0	+8	−6	+8	−7	+6	−14	+3	−42	0	−4	−5	−12	−6
Feb. 1	−6	−6	0	−9	+6	0	+3	+6	+3	+8	−2	+9	−9	+7	−35	+5	−5	−1	−17	−2
2	−7	−3	−2	−9	+6	−5	+6	+3	+11	+7	+3	+9	−1	+10	−20	+9	−4	+4	−17	+3
3	−7	+1	−3	−7	+5	−9	+8	−1	+18	+4	+8	+7	+7	+10	0	+10	−2	+8	−14	+7
4	−6	+6	−4	−3	+2	−10	+8	−5	+20	0	+11	+4	+14	+7	+22	+10	0	+10	−7	+9
5	−3	+9	−4	+1	−1	−10	+6	−9	+19	−5	+12	0	+18	+4	+39	+7	+2	+11	0	+11
6	0	+10	−3	+5	−4	−8	+3	−10	+14	−8	+11	−4	+19	0	+49	+3	+4	+9	+8	+10
7	+3	+10	−2	+8	−6	−5	0	−10	+7	−9	+8	−7	+16	−4	+49	0	+5	+6	+13	+7
8	+5	+8	−1	+9	{−7 −7	−1 +3}	−3	−8	−1	−10	+4	−9	+12	−7	+43	−4	+5	+2	+17	+4
9	+6	+5	+1	+9	−5	+7	−5	−5	−7	−9	0	−9	+5	−9	+29	−7	+5	−1	+17	0
10	+6	+1	+2	+7	−3	+8	−6	−1	−12	−5	−4	−8	−2	−9	+11	−8	+3	−5	+14	−4
11	+5	−3	+3	+4	0	+8	−6	+2	−15	−2	−8	−5	−8	−7	−8	−8	+1	−7	+9	−7
12	+3	−6	+3	0	+2	+7	−5	+6	−16	+2	−9	−1	−13	−5	−25	−7	−1	−9	+2	−8
13	+1	−8	+3	−3	+5	+5	−3	+8	−14	+6	−10	+2	−16	−1	−39	−4	−3	−8	−5	−9
14	−2	−10	+2	−7	+7	+1	−1	+9	−9	+8	−9	+6	−16	+3	−46	−1	−4	−7	−11	−8
15	−4	−9	+1	−9	+7	−2	+2	+9	−2	+10	−6	+9	−14	+6	−47	+3	−5	−4	−16	−6
16	−6	−7	0	−10	+7	−5	+4	+7	+4	+9	−2	+10	−9	+8	−39	+6	−5	−1	−18	−2

Südliche Polsterne 1928

Kurzperiodische Mondglieder (in 0ˢ.01, bez. 0".01)

Tag	*Sa*		*Sb*		*Sc*		*Sd*		*Se*		*Sf*		*Sg*		*Sh*		*Si*		*Sk*	
1928	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.
Feb. 16	−6	−7	0	−10	+7	−5	+4	+7	+4	+9	−2	+10	−9	+8	−39	+6	−5	−1	−18	−2
17	−7	−4	−1	−9	+5	−7	+6	+4	+10	+8	+2	+9	−3	+9	−25	+8	−4	+3	−17	+1
18	−6	0	−2	−6	+2	−7	+7	0	+14	+4	+5	+7	+4	+8	−5	+8	−2	+6	−12	+4
19	−4	+4	−2	−2	−1	−6	+5	−3	+14	0	+8	+3	+9	+5	+14	+7	0	+7	−5	+7
20	−1	+7	−2	+3	−4	−3	+3	−6	+11	−4	+8	−1	+12	+1	+29	+4	+2	+7	+3	+7
21	+3	+8	−1	+7	−6	+1	0	−7	+5	−7	+6	−6	+12	−3	+38	−1	+4	+4	+12	+5
22	+6	+7	0	+9	−7	+6	−3	−6	−3	−8	+2	−9	+9	−7	+36	−5	+5	+1	+17	+2
23	+7	+4	+2	+10	−5	+9	−6	−4	−11	−8	−2	−10	+3	−10	+25	−9	+4	−3	+18	−2
24	+7	0	+3	+8	−3	+10	−8	0	−16	−5	−7	−8	−5	−10	+6	−10	+3	−7	+15	−5
25	+5	−4	+3	+4	0	+9	−7	+4	−18	−1	−10	−5	−11	−8	−14	−9	+1	−9	+9	−8
26	+3	−7	+3	−1	+3	+5	−5	+7	−16	+3	−10	0	−14	−3	−31	−6	−2	−9	0	−9
27	−1	−8	+2	−6	+6	0	−2	+8	−9	+7	−8	+4	−14	+1	−39	−1	−3	−6	−9	−7
28	−5	−7	0	−9	+6	−5	+2	+7	0	+8	−4	+8	−10	+6	−37	+4	−5	−2	−15	−3
29	−7	−4	−1	−9	+5	−9	+5	+4	+9	+8	+1	+9	−3	+9	−25	+8	−4	+3	−17	+1
März 1	−8	0	−3	−8	+3	−11	+8	0	+16	+5	+7	+8	+4	+10	−6	+10	−3	+7	−16	+6
2	−7	+4	−4	−5	0	−11	+8	−4	+20	+1	+11	+5	+12	+9	+15	+11	−1	+10	−10	+9
3	−4	+8	−4	−2	−3	−9	+7	−8	+20	−3	+12	+1	+17	+5	+34	+9	+1	+11	−2	+11
4	−1	+10	−3	+3	−5	−5	+4	−10	+16	−7	+12	−3	+19	+1	+47	+5	+3	+10	+5	+11
5	+2	+10	−2	+7	−7	−1	+1	−10	+10	−9	+10	−7	+18	−3	+51	+1	+5	+8	+12	+9
6	+4	+9	−1	+9	−7	+2	−2	−9	+2	−10	+6	−9	+14	−6	+46	−3	+5	+4	+16	+5
7	+6	+6	0	+9	−6	+6	−4	−6	−5	−9	+1	−9	+8	−8	+34	−6	+5	0	+17	+1
8	+6	+3	+1	+8	−4	+8	−6	−3	−11	−7	−3	−9	+1	−9	+18	−8	+4	−4	+16	−2
9	+6	−1	+2	+5	−1	+8	−7	+1	−15	−3	−7	−6	−6	−8	−1	−9	+2	−7	+11	−6
10	+4	−5	+3	+2	+1	+8	−6	+5	−16	+1	−9	−2	−11	−5	−19	−8	0	−8	+5	−8
11	+2	−8	+3	−2	+4	+6	−4	+7	−14	+4	−10	+1	−15	−2	−35	−5	−2	−9	−2	−9
12	−1	−9	+3	−6	+6	+3	−2	+9	−10	+8	−9	+5	−16	+1	−45	−2	−4	−8	−9	−8
13	−3	−10	+2	−9	+7	−1	+1	+9	−5	+10	−7	+8	−15	+5	−48	+2	−5	−5	−15	−7
14	−5	−8	0	−10	+7	−4	+4	+8	+2	+10	−4	+10	−12	+8	−44	+5	−5	−2	−18	−4
15	−6	−6	−1	−10	+6	−6	+5	+5	+8	+9	0	+10	−6	+9	−32	+7	−5	+1	−18	0
16	−6	−2	−2	−8	+4	−7	+6	+2	+12	+6	+4	+8	0	+9	−15	+8	−3	+4	−15	+3
17	−5	+2	−2	−4	0	−6	+6	−2	+14	+2	+6	+5	+6	+7	+4	+8	−1	+6	−9	+5
18	−2	+5	−2	+1	−3	−4	+4	−5	+12	−2	+7	+1	+10	+3	+22	+5	+1	+6	0	+6
19	+1	+7	−1	+6	−5	0	+1	−6	+7	−6	+6	−4	+12	−2	+34	+1	+3	+5	+8	+6
20	+5	+7	0	+9	−6	+3	−2	−6	−1	−7	+3	−8	+9	−6	+35	−4	+4	+2	+15	+3
21	+7	+5	+1	+10	−6	+7	−5	−4	−9	−8	−1	−9	+4	−9	+28	−8	+5	−2	+18	0
22	+8	+1	+2	+9	−4	+9	−8	−1	−15	−6	−5	−9	−2	−10	+13	−10	+4	−6	+17	−4
23	+7	−3	+3	+5	−1	+10	−8	+3	−18	−2	−9	−6	−9	−9	−7	−10	+2	−8	+12	−7
24	+4	−6	+3	+1	+2	+7	−6	+6	−18	+2	−10	−2	−13	−5	−25	−8	−1	−9	+4	−9
25	0	−7	+2	−4	+5	+3	−3	+8	−12	+5	−9	+2	−15	−1	−36	−4	−3	−7	−5	−8
26	−3	−7	+1	−8	+6	−2	0	+7	−4	+8	−5	+6	−12	+4	−38	+2	−4	−4	−13	−5
27	−6	−5	−1	−9	+6	−6	+4	+5	+6	+8	0	+9	−6	+8	−29	+6	−4	+1	−17	0
28	−8	−1	−3	−9	+4	−10	+7	+1	+14	+6	+5	+8	+2	+10	−12	+10	−3	+6	−16	+4
29	−7	+3	−4	−6	+1	−11	+8	−3	+20	+2	+10	+6	+10	+10	+9	+11	−2	+9	−13	+8
30	−6	+7	−4	−2	−2	−11	+8	−7	+21	−2	+13	+3	+16	+7	+30	+10	0	+11	−5	+11
31	−3	+10	−4	+2	−5	−8	+6	−10	+19	−6	+13	−1	+20	+3	+45	+7	+3	+11	+2	+12
Apr. 1	0	+11	−3	+6	−7	−4	+3	−11	+13	−9	+11	−5	+20	−1	+52	+3	+4	+9	+10	+10
2	+3	+10	−2	+8	−7	0	−1	−10	+6	−10	+8	−8	+16	−5	+51	−1	+5	+6	+15	+7

Südliche Polsterne 1928

Kurzperiodische Mondglieder (in $0^{s}.01$, bez. $0''.01$)

Tag	Sa	Sb	Sc	Sd	Se	Sf	Sg	Sh	Si	Sk
1928	AR. D.	AR. D.	AR. D.	AR. D.	AR. D.	AR. D.	AR. D.	AR. D.	AR. D.	AR. D.
Apr. 2	+3 +10	−2 +8	−7 0	−1 −10	+6 −10	+8 −8	+16 −5	+51 −1	+5 +6	+15 +7
3	+6 +8	0 +9	−7 +4	{−3 −8 / −5 −4}	−2 −10	+3 −9	+11 −8	+41 −5	+5 +2	+17 +3
4	+6 +4	+1 +9	−5 +7	−6 −1	−9 −8	−1 −9	+4 −9	+26 −7	+4 −2	+17 −1
5	+6 0	+2 +6	−3 +8	−6 +3	−13 −5	−5 −7	−3 −9	+7 −8	+3 −5	+13 −4
6	+5 −3	+3 +3	0 +8	−5 +6	−15 −1	−8 −4	−9 −7	−12 −8	+1 −8	+7 −7
7	+3 −7	+3 0	+3 +7	−3 +8	−15 +3	−10 0	−13 −4	−28 −6	−1 −9	+1 −8
8	0 −9	+3 −4	+5 +4	0 +9	−12 +6	−10 +3	−16 0	−41 −3	−3 −8	−6 −9
9	−2 −10	+2 −8	+7 +1	+3 +9	−7 +9	−8 +7	−16 +4	−47 0	−5 −6	−13 −7
10	−5 −9	+1 −10	+7 −2	+5 +7	−1 +10	−5 +9	−13 +7	−46 +4	−5 −3	−17 −5
11	−6 −7	0 −10	+7 −5	+6 +4	+6 +10	−1 +10	−8 +9	−38 +7	−5 0	−19 −2
12	−7 −4	−1 −8	+5 −7	+6 0	+11 +8	+2 +9	−3 +10	−23 +8	−4 +3	−17 +1
13	−5 0	−2 −5	+2 −8	+5 −3	+13 +4	+5 +7	+3 +8	−5 +8	−2 +5	−12 +4
14	−3 +4	−2 −1	−1 −5	+2 −5	+12 0	+7 +2	+8 +5	+13 +6	0 +6	−4 +6
15	0 +6	−2 +4	−4 −2	−1 −6	+9 −4	+6 −2	+10 0	+27 +2	+2 +5	+5 +6
16	+4 +7	−1 +8	−6 +2	−4 −5	+2 −7	+4 −6	+9 −4	+33 −2	+4 +3	+12 +4
17	+6 +5	+1 +10	−6 +6	−7 −2	−6 −8	0 −9	+5 −8	+29 −7	+4 −1	+17 0
18	+8 +2	+2 +9	−5 +9	−8 +2	−14 −7	−4 −9	−1 −10	+16 −10	+4 −5	+18 −4
19	+8 −2	+3 +7	−2 +10	−7 +5	−19 −4	−9 −7	−8 −10	−2 −11	+2 −8	+14 −7
20	+5 −5	+3 +3	+1 +9	−5 +8	−20 0	−11 −4	−13 −7	−21 −9	0 −10	+7 −9
21	+2 −8	+3 −2	+4 +5	−1 +8	−16 +4	−11 +1	−15 −3	−35 −6	−2 −9	−2 −9
22	−2 −8	+2 −6	+6 0	+3 +6	−8 +7	−8 +5	−14 +2	−40 −1	−4 −6	−10 −7
23	−5 −6	0 −9	+6 −5	+6 +3	+2 +8	−3 +8	−9 +7	−34 +4	−5 −1	−16 −2
24	−7 −3	−2 −9	+5 −9	+8 −1	+11 +7	+3 +9	−1 +9	−20 +9	−4 +4	−17 +2
25	−8 +2	−3 −7	+2 −11	+8 −6	+18 +4	+8 +7	+7 +10	+1 +11	−2 +8	−15 +7
26	−6 +5	−4 −4	−1 −11	+7 −10	+22 0	+12 +4	+15 +8	+23 +11	0 +11	−9 +11
27	−4 +9	−4 0	−4 −10	+4 −11	+21 −5	+14 0	+20 +5	+42 +8	+2 +12	0 +12
28	−1 +11	−4 +5	−6 −6	+1 −11	+17 −8	+13 −4	+21 0	+53 +5	+4 +11	+7 +11
29	+2 +11	−2 +8	−7 −2	−2 −9	+10 −10	+10 −8	+19 −4	+55 0	+5 +8	+14 +9
30	+5 +9	−1 +10	−7 +2	−5 −6	+2 −10	+6 −10	+14 −7	+48 −3	+6 +4	+17 +5
Mai 1	+6 +6	0 +10	−6 +5	−6 −2	−6 −9	+1 −10	+7 −9	+35 −7	+5 0	+18 +1
2	+6 +2	+2 +8	−4 +7	−6 +1	−11 −6	−3 −9	0 −9	+17 −8	+3 −4	+16 −3
3	+5 −2	+3 +5	−1 +8	−5 +5	−14 −2	−7 −6	−6 −7	−3 −8	+2 −7	+10 −6
4	+4 −5	+3 +1	+2 +7	−3 +7	−15 +1	−9 −2	−11 −5	−21 −7	−1 −8	+3 −8
5	+1 −8	+3 −3	+4 +5	−1 +9	{−13 +5 / −8 +8}	−9 +2	−14 −1	−35 −4	−2 −8	−4 −8
6	−2 −9	+2 −6	+6 +2	+2 +8	−2 +9	−8 +6	−15 +2	−44 −1	−4 −7	−11 −7
7	−4 −9	+1 −9	+7 −1	+4 +7	+4 +10	−6 +8	−13 +6	−46 +3	−5 −4	−16 −6
8	−6 −8	0 −10	+7 −4	+6 +4	+10 +8	−2 +10	−10 +8	−40 +6	−5 −1	−18 −3
9	−7 −5	−1 −9	+6 −6	+7 +1	+13 +5	+1 +10	−4 +10	−28 +8	−4 +2	−18 +1
10	−6 −1	−2 −7	+3 −7	+6 −2	+14 +1	+5 +8	+2 +9	−11 +8	−3 +5	−14 +4
11	−4 +2	−2 −3	0 −6	+4 −5	+11 −2	+7 +4	+7 +6	+7 +7	−1 +6	−7 +5
12	−1 +5	−2 +2	−3 −3	0 −6	+4 −6	+7 0	+10 +2	+22 +4	+1 +6	+1 +6
13	+2 +6	−1 +6	−5 +1	−3 −5	−4 −7	+5 −5	+10 −3	+31 −1	+3 +4	+9 +5
14	+5 +6	0 +9	−6 +5	−6 −3	−12 −7	+1 −8	+7 −7	+30 −5	+4 0	+15 +1
15	+7 +3	+2 +10	−5 +9	−8 +1	−18 −4	−3 −9	+1 −10	+20 −9	+4 −4	+18 −3
16	+8 −1	+3 +8	−3 +10	−8 +5	−21 −1	−8 −8	−6 −10	+3 −11	+3 −8	+16 −7
17	+7 −5	+4 +4	0 +10	−6 +8	−19 +3	−11 −5	−13 −9	−17 −11	+1 −10	+10 −9
18	+4 −8	+4 0	+3 +8	−3 +9	−13 +7	−12 −1	−16 −5	−34 −8	−2 −10	+1 −10

Kurzperiodische Mondglieder (in $0^{s}.01$, bez. $0''.01$)

Tag	*Sa*		*Sb*		*Sc*		*Sd*		*Se*		*Sf*		*Sg*		*Sh*		*Si*		*Sk*	
1928	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.
Mai 18	+4	−8	+4	0	+3	+8	−3	+9	−13	+7	−12	−1	−16	−5	−34	−8	−2	−10	+1	−10
19	0	−9	+3	−5	+5	+3	+1	+8	−4	+9	−10	+4	−17	0	−43	−3	−3	−8	−7	−9
20	−4	−8	+1	−8	+6	−2	+5	+5	+7	+8	−6	+7	−13	+5	−42	+2	−5	−4	−14	−5
21	−7	−5	−1	−9	+6	−7	+7	+1	+15	+6	0	+9	−6	+9	−30	+7	−5	+1	−18	0
22	−8	−1	−3	−8	+4	−11	+8	−4	+21	+2	+6	+9	+3	+10	−10	+10	−3	+6	−16	+5
23	−7	+4	−4	−5	0	−12	+8	−8	+22	−3	+11	+6	+12	+9	+13	+11	−1	+10	−11	+9
24	−5	+8	−4	−1	−3	−11	+5	−11	+19	−7	+13	+2	+18	+6	+35	+10	+1	+12	−4	+12
25	−2	+11	−4	+3	−5	−8	+2	−12	+13	−10	+14	−3	+21	+2	+50	+6	+3	+12	+5	+12
26	+1	+12	−3	+7	−7	−4	−1	−11	+5	−11	+12	−6	+21	−2	+57	+2	+5	+9	+12	+11
27	+4	+11	−2	+9	−8	0	−4	−8	−3	−10	+8	−9	+17	−6	+54	−2	+6	+6	+17	+7
28	+6	+8	0	+10	−7	+4	−6	−4	−9	−8	+3	−10	+11	−8	+43	−5	+5	+2	+18	+3
29	+6	+4	+1	+9	−5	+6	−6	0	−13	−4	−1	−9	+4	−9	+26	−8	+4	−2	+16	−1
30	+6	0	+2	+6	−2	+8	−6	+3	−14	0	−5	−7	−3	−8	+6	−8	+2	−5	+12	−4
31	+4	−3	+3	+3	+1	+7	−4	+6	−13	+3	{−8 / −9}	{−3 / 0}	−9	−6	−13	−7	0	−7	+6	−7
Juni 1	+2	−6	+3	−1	+3	+6	−2	+8	−10	+6	−8	+4	−13	−3	−28	−5	−2	−8	−1	−8
2	0	−8	+2	−5	+5	+3	+1	+8	−4	+9	−6	+7	−15	+1	−39	−2	−3	−7	−8	−8
3	−3	−9	+1	−8	+7	0	+3	+7	+2	+9	−3	+9	−14	+5	−44	+1	−5	−5	−14	−6
4	−5	−8	0	−10	+7	−4	+5	+5	+8	+8	0	+10	−11	+8	−41	+5	−5	−2	−17	−3
5	−6	−5	−1	−10	+6	−6	+7	+2	+13	+6	+4	+8	−5	+9	−31	+7	−5	+1	−18	0
6	−6	−2	−2	−8	+4	−7	+6	−1	+14	+3	+7	+5	0	+9	−15	+9	−3	+4	−15	+3
7	−5	+2	−2	−4	+1	−7	+5	−4	+13	−1	+8	+1	+6	+7	+2	+8	−2	+6	−10	+5
8	−3	+5	−2	0	−2	−5	+2	−6	+8	−5	+6	−3	+10	+4	+19	+5	+1	+7	−2	+6
9	+1	+6	−1	+5	−5	−1	−2	−6	0	−7	+3	−7	+11	−1	+30	+1	+3	+5	+7	+6
10	+4	+7	0	+8	−6	+3	−5	−4	−9	−7	−1	−9	+9	−5	+33	−3	+4	+2	+14	+3
11	+7	+4	+1	+10	−6	+8	−8	0	−16	−6	−6	−9	+4	−9	+25	−8	+4	−2	+17	−1
12	+8	+1	+3	+9	−4	+11	−9	+4	−20	−2	−10	−6	−3	−11	+10	−11	+3	−7	+17	−5
13	+7	−3	+4	+6	−1	+11	−7	+7	−21	+2	−12	−2	−11	−10	−11	−11	+2	−10	+12	−9
14	+5	−7	+4	+1	+2	+10	−5	+10	−17	+6	−12	+2	−16	−7	−30	−9	−1	−11	+5	−11
15	+1	−10	+3	−3	+5	+6	−1	+10	−8	+9	−9	+6	−18	−2	−44	−5	−3	−10	−5	−10
16	−2	−10	+2	−8	+7	+1	+3	+8	+2	+9	−3	+9	−16	+3	−48	0	−5	−6	−12	−7
17	−6	−7	0	−10	+7	−5	+6	+4	+11	+8	+3	+9	−10	+7	−40	+5	−5	−1	−17	−3
18	−8	−3	−2	−9	+5	−9	+8	−1	+18	+4	+8	+7	−2	+10	−23	+9	−4	+4	−18	+2
19	−8	+2	−3	−7	+2	−11	+8	−6	+21	−1	+12	+4	+7	+10	+1	+11	−2	+8	−14	+7
20	−6	+6	−4	−3	−1	−11	+6	−10	+20	−5	+14	−1	+15	+8	+25	+10	0	+11	−7	+11
21	−3	+10	−4	+1	−4	−9	+3	−11	+15	−9	+13	−5	+20	+4	+44	+8	+3	+12	+1	+12
22	0	+11	−3	+6	−7	−5	0	−11	+8	−11	+9	−8	+21	0	+55	+4	+4	+10	+9	+11
23	+3	+11	−2	+9	−8	−1	−3	−9	0	−11	+5	−10	+19	−5	+56	0	+6	+7	+15	+9
24	+5	+9	−1	+10	−7	+2	−5	−6	−7	−9	+1	−10	+14	−8	+48	−4	+6	+3	+18	+5
25	+6	+6	+1	+9	−6	+6	−6	−2	−12	−6	−4	−8	{+7 / 0}	{−9 / −9}	+34	−7	+5	−1	+18	+1
26	+6	+2	+2	+7	−3	+7	−6	+2	−14	−2	−7	−5	−6	−7	+15	−8	+3	−4	+15	−3
27	+5	−2	+2	+4	−1	+7	−5	+5	−14	+2	−8	−1	−11	−4	−6	−8	+1	−6	+8	−6
28	+3	−5	+3	0	+2	+6	−3	+7	−11	+5	−8	+3	−14	0	−22	−6	−1	−7	+2	−7
29	0	−8	+2	−4	+5	+4	0	+8	−6	+8	−7	+6	−14	+3	−35	−3	−3	−7	−5	−7
30	−2	−9	+2	−7	+6	+1	+3	+7	0	+9	−4	+9	−11	+7	−42	0	−4	−5	−12	−6
Juli 1	−5	−8	+1	−9	+7	−3	+5	+6	+6	+9	−1	+10	−7	+9	−41	+4	−5	−3	−16	−4
2	−6	−6	0	−10	+6	−5	+6	+3	+12	+7	+3	+9	−1	+9	−34	+7	−5	0	−18	−1
3	−7	−3	−1	−9	+5	−7	+7	0	+15	+4	+6	+7	+5	+8	−20	+8	−4	+4	−17	+2

Südliche Polsterne 1928

Kurzperiodische Mondglieder (in $0^{s}.01$, bez. $0''.01$)

Tag	*Sa*		*Sb*		*Sc*		*Sd*		*Se*		*Sf*		*Sg*		*Sh*		*Si*		*Sk*	
1928	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.
Juli 3	−7	−3	−1	−9	+5	−7	+7	0	+15	+4	+6	+7	+5	+8	−20	+8	−4	+4	−17	+2
4	−6	+1	−2	−6	+2	−8	+6	−4	+15	0	+8	+3	+10	+5	−2	+9	−2	+6	−12	+5
5	−4	+4	−3	−2	−1	−6	+3	−6	+11	−4	+8	−1	+12	+1	+15	+7	0	+7	−5	+7
6	0	+6	−2	+3	−4	−3	0	−7	+4	−7	+5	−6	+11	−4	+29	+3	+2	+6	+4	+7
7	+3	+7	−1	+7	−6	+1	−4	−5	−4	−8	+1	−8	+7	−8	+35	−1	+4	+4	+11	+5
8	+6	+6	0	+9	−6	+6	−7	−2	−13	−7	−4	−9	0	−10	+32	−6	+5	0	+17	+1
9	+8	+3	+2	+10	−5	+9	−8	+1	−19	−4	−8	−8	−7	−10	+19	−10	+4	−5	+18	−3
10	+8	−1	+3	+8	−2	+11	−8	+6	−21	0	−12	−4	−14	−8	−1	−11	+3	−9	+15	−7
11	+6	−6	+4	+4	+1	+10	−6	+9	−19	+5	−13	0	−18	−4	−22	−10	0	−11	+8	−10
12	+3	−9	+4	−1	+4	+8	−3	+10	−13	+8	−11	+5	−18	+1	−39	−7	−2	−11	−1	−11
13	−1	−10	+3	−6	+6	+3	+1	+9	−3	+10	−6	+8	−14	+6	−48	−3	−4	−8	−10	−9
14	−4	−9	+1	−9	+7	−2	+5	+6	+7	+9	−1	+10	−7	+9	−46	+3	−5	−4	−16	−5
15	−7	−6	−1	−10	+6	−7	+7	+1	+15	+6	+4	+9	+2	+10	−33	+7	−5	+1	−19	0
16	−8	−1	−3	−8	+4	−10	+8	−3	+20	+2	+10	+6	+11	+9	−12	+10	−4	+6	−17	+5
17	−7	+4	−4	−5	0	−11	+7	−8	+20	−3	+13	+1	+17	+6	+12	+11	−1	+10	−11	+9
18	−4	+8	−4	−1	−3	−9	+4	−10	+17	−7	+13	−3	+20	+1	+34	+9	+1	+11	−3	+11
19	−1	+10	−4	+4	−6	−6	+1	−11	+11	−10	+10	−7	+19	−3	{+48 {+55	+5} +1}	+3	+10	+6	+11
20	+2	+11	−3	+8	−7	−2	−2	−10	+3	−11	+6	−10	+15	−7	+51	−3	+5	+8	+13	+9
21	+4	+10	−1	+10	−8	+2	−5	−7	−5	−10	+2	−10	+9	−9	+39	−6	+6	+4	+17	+6
22	+6	+7	0	+10	−6	+5	−6	−3	−10	−7	−2	−9	+2	−9	+21	−8	+5	0	+18	+2
23	+6	+3	+1	+8	−4	+7	−6	0	−14	−4	−6	−6	−5	−8	+2	−8	+4	−3	+16	−2
24	+6	−1	+2	+5	−2	+8	−5	+4	−14	0	−8	−3	−10	−5	−16	−7	+2	−6	+11	−5
25	+4	−4	+3	+2	+1	+7	−4	+6	−12	+4	−8	+1	−13	−2	−31	−4	0	−7	+5	−7
26	+1	−7	+3	−2	+4	+5	−1	+8	−8	+7	−7	+5	−14	+2	−39	−1	−2	−7	−3	−8
27	−1	−8	+2	−6	+6	+2	+1	+8	−2	+9	−5	+8	−12	+5	−42	+3	−4	−6	−9	−7
28	−4	−8	+1	−8	+7	−1	+4	+6	+4	+9	−2	+9	−8	+8	−37	+6	−5	−4	−15	−5
29	−6	−7	0	−10	+7	−4	+6	+4	+10	+8	+2	+9	−3	+9	−25	+8	−5	−1	−18	−2
30	−7	−4	−1	−9	+5	−7	+7	+1	+14	+5	+5	+8	+3	+9	−8	+9	−4	+3	−17	+1
31	−6	−1	−2	−7	+3	−8	+6	−3	+15	+1	+8	+4	+8	+7	+10	+8	−3	+5	−14	+4
Aug. 1	−5	+3	−3	−3	0	−7	+4	−6	+13	−3	+8	0	+12	+3	+25	+5	−1	+7	−8	+6
2	−2	+6	−3	+1	−3	−5	+1	−7	+7	−6	+7	−4	+12	−2	+35	+1	+1	+7	0	+7
3	+1	+7	−2	+6	−5	−1	−2	−7	−1	−8	+3	−8	+10	−6	+36	−4	+3	+5	+9	+6
4	+5	+7	0	+9	−6	+3	−5	−4	−9	−8	−1	−9	+4	−9	+27	−8	+5	+2	+15	+3
5	+7	+5	+1	+10	−6	+8	−8	−1	−16	−6	−6	−9	−3	−11	+10	−11	+5	−2	+18	−1
6	+8	+1	+3	+8	−4	+10	−8	+3	−20	−2	−10	−6	−10	−9	−11	−11	+4	−7	+17	−5
7	+7	−3	+4	+5	−1	+11	−6	+7	−20	+2	−12	−2	−16	−6	−31	−9	+2	−10	+11	−9
8	+4	−7	+4	+1	+3	+9	−4	+10	−15	+7	−11	+3	−18	−1	−45	−4	−1	−11	+3	−10
9	+1	−10	+3	−4	+6	+5	0	+10	−7	+9	−8	+7	−16	+4	−48	+1	−3	−9	−6	−10
10	−3	−10	+2	−8	+7	0	+4	+7	+3	+9	−3	+10	−10	+8	−40	+6	−5	−6	−14	−7
11	−6	−7	0	−10	+7	−5	+7	+3	+12	+8	+3	+10	−1	+10	−22	+9	−5	−1	−18	−3
12	−8	−3	−2	−9	+5	−9	+8	−2	+18	+4	+8	+7	+7	+10	+1	+11	−4	+4	−18	+2
13	−7	+2	−3	−7	+2	−11	+8	−6	+20	−1	+12	+3	+14	+7	+24	+10	−2	+8	−14	+7
14	−5	+6	−4	−3	−1	−10	+5	−9	+18	−5	+13	−1	+19	+3	+42	+7	0	+11	−6	+10
15	−2	+9	−4	+2	−5	−8	+2	−11	+13	−9	+11	−6	+19	−1	+52	+2	+3	+11	+2	+11
16	+1	+11	−3	+6	−7	−4	−1	−10	+5	−10	+8	−9	+16	−5	+52	−2	+5	+9	+10	+10
17	+4	+10	−2	+9	−8	0	−4	−8	−3	−10	+3	−10	+11	−8	+43	−5	+6	+6	+16	+7
18	+6	+8	0	+10	−7	+4	−6	−5	−9	−8	−1	−9	+4	−9	+27	−8	+6	+2	+18	+3

Südliche Polsterne 1928

Kurzperiodische Mondglieder (in 0ˢ.01, bez. 0″.01)

Tag	Sa		Sb		Sc		Sd		Se		Sf		Sg		Sh		Si		Sk	
1928	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.
Aug. 18	+6	+8	0	+10	−7	+4	−6	−5	−9	−8	−1	−9	+4	−9	+27	−8	+6	+2	+18	+3
19	+6	+4	+1	+9	−5	+6	−6	−1	−13	−5	−5	−7	−3	−9	+8	−8	+5	−2	+17	−1
20	+6	+1	+2	+7	−3	+8	−6	+3	−15	−1	−8	−4	−8	−6	−11	−8	+3	−5	+13	−4
21	+5	−3	+3	+3	0	+7	−4	+6	−13	+3	−9	0	−12	−3	−27	−5	+1	−7	+7	−6
22	+2	−6	+3	−1	+3	+6	−2	+7	−10	+6	−8	+4	−14	+1	−37	−2	−1	−8	0	−8
23	0	−8	+2	−5	+5	+3	+1	+8	−4	+8	−6	+7	−13	+4	−42	+1	−3	−7	−7	−7
24	−3	−9	+1	−8	+7	0	+3	+7	+2	+9	−3	+9	−10	+7	−40	+5	−5	−5	−13	−6
25	−5	−8	0	−9	+7	−3	+5	+5	+8	+8	+1	+10	−6	+9	−31	+7	−5	−2	−17	−3
26	−7	−6	−1	−10	+6	−6	+7	+2	+13	+6	+4	+9	0	+9	−17	+9	−5	+1	−18	0
27	−7	−2	−2	−8	+4	−7	+7	−1	+15	+3	+7	+6	+6	+8	+1	+8	−4	+4	−16	+3
28	−5	+1	−2	−5	+1	−8	+5	−4	+14	−1	+8	+2	+10	+4	+19	+6	−2	+6	−10	+5
29	−3	+5	−2	−1	−2	−6	+2	−6	+10	−5	+7	−2	+12	0	+32	+3	0	+7	−3	+7
30	0	+7	−2	+4	−5	−3	−1	−7	+3	−7	+5	−6	+11	−4	+37	−2	+3	+6	+5	+7
31	+3	+7	−1	+8	−6	+2	−4	−5	−5	−8	+1	−9	+7	−8	+33	−6	+4 +5	+3 0	+13	+4
Sept. 1	+6	+6	+1	+10	−6	+6	−7	−2	−13	−7	−4	−9	0	−10	+20	−10	+4	−5	+17	+1
2	+8	+3	+2	+9	−5	+9	−8	+1	−18	−4	−8	−8	−7	−10	−1	−11	+3	−8	+18	−3
3	+8	−1	+3	+7	−2	+11	−8	+5	−20	0	−11	−4	−13	−7	−21	−10	0	−10	+14	−7
4	+5	−5	+4	+3	+1	+9	−5	+8	−17	+5	−11	+1	−17	−3	−37	−6	−2	−10	+7	−9
5	+2	−8	+3	−2	+4	+6	−2	+9	−10	+8	−9	+5	−16	+2	−45	−1	−4	−7	−2	−10
6	−2	−9	+2	−6	+6	+2	+2	+8	−1	+9	−4	+8	−11	+7	−41	+4	−5	−3	−11	−8
7	−5	−8	0	−9	+7	−4	+6	+5	+9	+8	+1	+10	−4	+10	−27	+8	−5	+3	−16	−4
8	−7	−5	−2	−10	+6	−8	+8	0	+17	+5	+6	+8	+5	+10	−7	+11	−3	+7	−18	+1
9	−8	0	−3	−8	+3	−10	+8	−4	+20	+1	+11	+5	+12	+8	+17	+10	0	+10	−16	+6
10	−6	+5	−4	−4	0	−11	+7	−8	+20	−4	+13	+1	+18	+5	+37	+8	+2	+11	−9 −1	+9 +11
11	−4	+8	−4	0	−4	−9	+4	−10	+15	−8	+12	−4	+19	0	+50	+4	+4	+10	+7	+11
12	−1	+10	−3	+5	−6	−6	0	−11	+8	−10	+9	−8	+18	−4	+52	0	+5	+7	+14	+8
13	+2	+11	−2	+8	−7	−1	−3	−9	+1	−10	+5	−10	+13	−7	+47	−4	+6	+3	+18	+5
14	+5	+9	−1	+10	−7	+3	−5	−6	−7	−9	0	−10	+6	−9	+33	−7	+5	−1	+18	+1
15	+6	+6	+1	+9	−6	+6	−6	−2	−12	−6	−4	−8	−1	−9	+15	−9	+3	−4	+15	−3
16	+6	+2	+2	+7	−3	+8	−6	+2	−15	−2	−7	−5	−7	−7	−5	−8	+1	−7	+9	−6
17	+5	−2	+3	+4	−1	+8	−5	+5	−15	+2	−9	−2	−11	−4	−22	−7	−1	−8	+3	−8
18	+3	−5	+3	0	+2	+7	−3	+7	−12	+5	−9	+2	−14	−1	−35	−3	−3	−7	−5	−8
19	+1	−8	+2	−3	+5	+4	0	+8	−7	+8	−7	+6	−14	+3	−42	0	−4	−6	−11	−7
20	−2	−9	+2	−7	+6	+1	+2	+8	−1	+9	−5	+9	−12	+6	−43	+4	−5	−3	−16	−5
21	−4	−8	+1	−9	+7	−2	+5	+6	+5	+9	−1	+10	−8	+9	−36	+6	−5	0	−18	−2
22	−6	−7	0	−10	+7	−5	+6	+4	+11	+8	+2	+9	−3	+10	−24	+8	−4	+3	−18	+1
23	−7	−4	−1	−9	+5	−7	+7	0	+14	+5	+5	+7	+3	+9	−7	+9	−3	+5	−13	+4
24	−6	0	−2	−6	+2	−8	+6	−3	+14	+1	+7	+4	+8	+6	+11	+7	−1	+7	−6	+6
25	−4	+3	−2	−2	0	−6	+4	−5	+11	−3	+8	0	+11	+2	+25	+4	+2	+6	+2	+6
26	−1	+6	−2	+2	−3	−3	0	−6	+5	−6	+6	−5	+11	−3	+34	0	+4	+4	+10	+5
27	+2	+7	−1	+6	−6	+1	−3	−6	−3	−8	+2	−8	+8	−7	+33	−5	+5	+1	+16	+2
28	+5	+6	0	+9	−6	+5	−6	−3	−11	−7	−3	−9	+2	−10	+24	−9	+6	−3	+18	−2
29	+8	+4	+1	+10	−6	+8	−8	0	−17	−5	−7	−9	−5	−11	+7	−11	+4	−7	+17	−6
30	+8	0	+3	+8	−3	+11	−8	+4	−21	−1	−11	−6	−11	−9	−13	−11	+1	−10	+11	−9
Okt. 1	+7	−4	+4	+5	0	+11	−6	+7	−19	+3	−12	−1	−16	−5	−31	−8	−1	−10	+2	−10
2	+4	−7	+4	0	+3	+8	−3	+9	−13	+7	−10	+4	−16	0	−43	−3	−4	−8	−7	−9
3	0	−9	+3	−5	+6	+3	+1	+8	−5	+9	−6	+7	−13	+5	−43	+2	−5	−4	−15	−5

Südliche Polsterne 1928

Kurzperiodische Mondglieder (in 0.ˢ01, bez. 0.″01)

Tag	*Sa*		*Sb*		*Sc*		*Sd*		*Se*		*Sf*		*Sg*		*Sh*		*Si*		*Sk*	
1928	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.
Okt. 3	0	−9	+3	−5	+6	+3	+1	+8	−5	+9	−6	+7	−13	+5	−43	+2	−5	−4	−15	−5
4	−4	−9	+1	−8	+7	−2	+5	+6	+6	+9	0	+9	−7	+9	−32	+7	−5	+1	−18	−1
5	−7	−6	−1	−10	+6	−7	+7	+2	+15	+7	+5	+9	+2	+10	−13	+10	−4	+6	−17	+4
6	−8	−2	−3	−9	+4	−10	+8	−3	+20	+2	+10	+7	+10	+10	+10	+12	−2	+10	−12	+9
7	−7	+4	−4	−6	+1	−11	+8	−8	+21	−3	+13	+2	+17	+7	+32	+10	+1	+12	−4	+11
8	−5	+8	−4	−1	−2	−10	+5	−10	+18	−7	+13	−2	+20	+2	+48	+6	+3	+11	+4	+12
9	−2	+10	−4	+3	−5	−7	+2	−11	+12	−10	+11	−6	+21	−2	+55	+2	+5	+9	+12	+10
10	+1	+11	−3	+7	−7	−3	−1	−10	+4	−11	+7	−9	+16	−6	+52	−3	+6	+5	+17	+6
11	+4	+10	−1	+9	−8	+1	−4	−7	−4	−10	+2	−10	+10	−9	+40	−6	+5	+1	+19	+2
12	+6	+7	0	+10	−7	+5	−6	−4	−10	−8	−2	−9	+2	−9	+23	−8	+4	−3	+17	−2
13	+7	+3	+1	+8	−4	+7	−7	0	−14	−4	−6	−7	−4	−8	+3	−8	+2	−6	+12	−5
14	+6	0	+2	+6	−2	+8	−6	+4	−15	0	−8	−3	−10	−6	−15	−7	0	−8	+5	−7
15	+4	−4	+3	+2	+1	+7	−4	+7	−13	+4	−9	+1	−13	−2	−30	−4	−2	−8	−2	−8
16	+2	−7	+3	−2	+4	+5	−1	+8	−9	+7	−8	+5	−14	+2	−40	−1	−4	−6	−9	−7
17	{−1 −4	−8 −9}	+2	−5	+6	+2	+1	+8	−3	+9	−6	+8	−13	+5	−43	+2	−5	−4	−14	−5
18	−6	−8	+1	−8	+7	−1	+4	+7	+3	+9	−3	+9	−10	+8	−39	+5	−5	−1	−18	−3
19	−7	−5	0	−10	+7	−4	+6	+5	+9	+8	+1	+10	−5	+9	−29	+8	−5	+2	−18	0
20	−7	−2	−1	−9	+6	−6	+7	+2	+13	+6	+4	+8	+1	+9	−14	+9	−3	+4	−15	+3
21	−5	+2	−2	−7	+4	−7	+6	−1	+14	+2	+6	+5	+6	+7	+3	+8	−1	+6	−9	+5
22	−2	+5	−2	−4	+1	−7	+4	−4	+12	−1	+7	+1	+10	+3	+19	+5	+1	+6	−1	+6
23	+1	+6	−2	0	−2	−5	+2	−6	+7	−5	+6	−3	+11	−1	+29	+1	+3	+5	+7	+5
24	+4	+6	−1	+5	−5	−1	−2	−6	0	−7	+3	−7	+9	−5	+32	−3	+4	+2	+14	+3
25	+7	+4	0	+8	−6	+3	−5	−4	−9	−7	−1	−9	+4	−9	+25	−8	+4	−2	+17	−1
26	+8	+1	+1	+10	−6	+7	−8	−1	−16	−6	−6	−9	−3	−11	+11	−11	+4	−6	+17	−5
27	+8	−3	+3	+9	−4	+10	−9	+3	−21	−2	−10	−7	−10	−10	−8	−11	+2	−10	+13	−8
28	+5	−7	+4	+6	−1	+11	−8	+7	−21	+2	−12	−3	−15	−7	−28	−10	0	−11	+5	−10
29	+2	−9	+4	+2	+2	+9	−5	+9	−16	+6	−11	+2	−18	−2	−41	−5	−3	−10	−4	−10
30	−2	−9	+3	−3	+5	+6	−1	+9	−8	+8	−8	+6	−16	+3	−45	0	−4	−6	−12	−7
31	−6	−7	+2	−7	+7	+1	+3	+7	+2	+9	−3	+9	−10	+8	−39	+5	−5	−1	−17	−3
Nov. 1	−8	−3	0	−10	+7	−5	+6	+3	+12	+8	+3	+10	−2	+10	−22	+9	−4	+4	−18	+2
2	−8	+2	−2	−9	+5	−9	+8	−1	+19	+4	+9	+8	+8	+10	+2	+11	−2	+9	−15	+7
3	−6	+6	−3	−7	+2	−11	+8	−6	+22	−1	+13	+4	+15	+8	+25	+11	0	+12	−8	+11
4	−4	+10	−4	−3	−1	−11	+6	−10	+21	−5	+14	−1	+20	+4	+45	+8	+2	+12	+1	+12
5	0	+12	−4	+1	−5	−9	+3	−12	+16	−9	+13	−5	+21	0	+56	+4	+5	+10	+9	+11
6	+3	+11	−3	+6	−7	−5	0	−12	+8	−11	+9	−9	+19	−5	+57	−1	+6	+7	+16	+8
7	+5	+9	−2	+9	−8	−1	−3	−9	0	−11	+5	−10	+13	−8	+48	−5	+6	+3	+19	+4
8	+6	+5	−1	+10	−7	+3	−6	−6	−8	−9	0	−10	+6	−9	+32	−7	+5	−1	+18	0
9	+6	+1	+1	+9	−6	+6	−6	−2	−12	−6	−4	−8	−1	−9	+12	−8	+3	−5	+14	−3
10	+5	−2	+2	+7	−3	+7	−6	+2	−14	−2	−7	−5	−7	−7	−7	−8	+1	−7	+8	−6
11	+3	−6	+3	+4	0	+7	−5	+5	−14	+2	−8	−1	−12	−3	−24	−6	−1	−7	+1	−7
12	0	−8	+3	0	+2	+6	−2	+7	−10	+6	−8	+3	−14	0	−36	−3	−3	−7	−6	−7
13	−3	−8	+2	−4	+5	+3	0	+8	−5	+8	−6	+7	−13	+4	−41	+1	−4	−5	−13	−6
14	−5	−8	+1	−7	+6	0	+3	+7	+1	+9	−3	+9	−10	+7	−40	+5	−5	−2	−17	−4
15	−6	−6	0	−9	+7	−3	+5	+5	+7	+8	0	+10	−6	+9	−32	+7	−5	+1	−18	−1
16	−7	−3	−1	−10	+6	−6	+6	+2	+12	+7	+3	+9	−1	+9	−19	+8	−4	+4	−16	+2
17	−6	0	−2	−8	+4	−7	+7	−1	+14	+4	+6	+6	+4	+8	−2	+8	−2	+6	−11	+5
18	−3	+4	−2	−5	+2	−7	+5	−3	+14	0	+7	+3	+9	+5	+13	+6	0	+6	−4	+6

Kurzperiodische Mondglieder (in 0ˢ.01, bez. 0″.01)

Tag	*Sa*		*Sb*		*Sc*		*Sd*		*Se*		*Sf*		*Sg*		*Sh*		*Si*		*Sk*	
1928	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.	AR.	D.
Nov. 18	-3	+4	-2	-5	+2	-7	+5	-3	+14	0	+7	+3	+9	+5	+13	+6	0	+6	-4	+6
19	0	+6	-2	-1	-1	-6	+3	-5	+9	-3	+7	-1	+11	+1	+26	+3	+2	+5	+3	+6
20	+3	+6	-2	+3	-4	-2	-1	-6	+3	-6	+4	-5	+9	-4	+31	-2	+4	+3	+11	+4
21	+6	+5	-1	+7	-6	+2	-4	-5	-6	-7	0	-8	+5	-8	+28	-6	+4	-1	+16	0
22	+8	+2	+1	+9	-6	+6	-7	-2	-14	-6	-5	-9	-1	-10	+15	-10	+4	-5	+18	-4
23	+8	-2	+2	+9	-5	+10	-9	+2	-20	-3	-9	-8	-9	-10	-4	-12	+2	-9	+15	-8
24	+6	-6	+3	+8	-2	+12	-8	+6	-22	0	-12	-4	-15	-8	-24	-11	0	-11	+8	-11
25	+3	-9	+4	+4	+1	+11	-6	+9	-20	+5	-13	0	-19	-4	-41	-8	-2	-11	-1	-11
26	-1	-10	+4	-1	+4	+8	-3	+10	-13	+8	-11	+5	-18	+1	-49	-3	-4	-9	-9	-9
27	-4	-9	+3	-6	+6	+3	+1	+9	-4	+10	-6	+8	-14	+6	-46	+3	-5	-4	-16	-5
28	-7	-5	+1	-9	+7	-2	+5	+6	+7	+9	0	+10	-6	+9	-33	+7	-5	+1	-19	0
29	-8	-1	-1	-10	+7	-8	+8	+1	+16	+6	+6	+9	+3	+10	-10	+10	-3	+7	-17	+5
30	-7	+4	-3	-9	+4	-11	+8	-4	+21	+1	+11	+6	+12	+9	+15	+11	-1	+11	-11	+9
Dez. 1	-5	+9	-4	-5	0	-12	+7	-9	+22	-4	+14	+1	+19	+6	+38	+9	+2	+12	-2	+12
2	-2	+12	-4	0	-3	-10	+5	-11	+18	-8	+14	-4	+22	+1	+54	+6	+4	+12	+6	+12
3	+2	+12	-4	+4	-6	-7	+1	-12	+12	-11	+11	-8	+21	-3	+59	+1	+5	+9	+14	+10
4	+5	+11	-3	+8	-8	-3	-2	-11	+3	-11	+7	-10	+16	-7	+55	-3	+6	+5	+18	+7
5	+6	+7	-1	+10	-8	+1	-5	-8	-4	-10	+2	-11	+10	-9	+41	-6	+5	+1	+19	+2
6	+6	+3	0	+10	-7	+5	-6	-4	-10	-7	-2	-9	+2	-9	+22	-8	+4	-3	+16	-2
7	+5	-1	+1	+8	-4	+7	-6	0	-14	-4	-6	-6	-4	-8	+2	-8	+2	-6	+11	-5
8	+3	-4	{+2 / +2}	{+5 / +1}	-1	+7	-5	+4	-14	0	-8	-2	-10	-5	-16	-6	0	-7	+4	-7
9	+1	-7	+2	-3	+1	+6	-3	+6	-11	+4	-8	+2	-12	-1	-30	-3	-2	-7	-3	-7
10	-2	-8	+2	-6	+4	+4	0	+7	-6	+7	-7	+5	-13	+3	-38	0	-4	-5	-10	-6
11	-4	-8	+1	-8	+6	+1	+2	+7	0	+8	-4	+8	-11	+6	-39	+4	-5	-3	-15	-4
12	-6	-6	0	-9	+7	-2	+5	+6	+6	+8	-1	+9	-7	+8	-33	+6	-5	0	-17	-1
13	-7	-4	-1	-8	+6	-5	+6	+3	+11	+7	+3	+9	-2	+9	-22	+8	-4	+3	-17	+2
14	-6	0	-2	-7	+5	-7	+7	0	+14	+4	+6	+7	+3	+9	-6	+9	-3	+6	-13	+4
15	-5	+3	-2	-3	+3	-8	+6	-3	+15	+1	+7	+4	+8	+6	+9	+8	-1	+7	-7	+6
16	-2	+5	-2	+1	0	-7	+4	-5	+12	-3	+8	0	+10	+2	+24	+4	+1	+6	+1	+6
17	+2	+7	-1	+6	-3	-4	+1	-6	+6	-6	+6	-4	+11	-2	+31	0	+3	+4	+9	+5
18	+5	+6	0	+9	-5	0	-3	-6	-2	-7	+2	-7	+8	-6	+31	-5	+4	+1	+15	+2
19	+7	+4	+2	+10	-6	+5	-6	-3	-11	-7	-3	-9	+2	-10	+21	-9	+4	-4	+18	-2
20	+8	0	+3	+9	-5	+9	-8	+1	-18	-5	-8	-8	-6	-11	+4	-11	+3	-8	+16	-6
21	+7	-5	+4	+6	-3	+11	-9	+5	-22	-1	-12	-6	-13	-10	-17	-12	+1	-11	+11	-10
22	+5	-8	+4	+1	0	+12	-8	+9	-22	+3	-14	-2	-18	-6	-37	-10	-1	-12	+3	-12
23	+1	-11	+3	-4	+3	+10	-5	+11	-17	+7	-13	+3	-20	-1	-50	-5	-4	-11	-6	-11
24	-3	-11	+2	-8	+6	+6	-1	+11	-9	+10	-9	+7	-18	+4	-53	0	-5	-7	-14	-8
25	-6	-8	0	-10	+7	0	+3	+8	+2	+10	-4	+10	-11	+8	-44	+5	-6	-2	-19	-3
26	-8	-4	-2	-10	+7	-5	+7	+4	+11	+8	+3	+10	-2	+10	-24	+9	-5	+4	-19	+2
27	-8	+2	-3	-7	+5	-9	+8	-1	+18	+4	+8	+8	+7	+10	+1	+11	-2	+8	-14	+7
28	-6	+7	-4	-3	+2	-11	+8	-6	+21	-1	+12	+3	+15	+7	+26	+10	0	+11	-6	+11
29	-3	+10	-4	+2	-2	-11	+6	-10	+20	-6	+14	-1	+20	+3	+46	+7	+3	+12	+3	+12
30	+1	+12	-3	+7	-5	-8	+3	-12	+14	-10	+12	-6	+21	-1	+57	+3	+5	+10	+11	+11
31	+4	+11	-2	+10	-7	-4	-1	-11	+6	-11	+9	-9	+18	-6	+57	-2	+6	+6	+17	+8
32	+6	+9	-1	+10	-8	0	-4	-9	-2	-11	+4	-11	+13	-9	+48	-5	+6	+2	+20	+4

Polnahe Sterne 1928

Scheinbare Koordinaten für 12ʰ Sternzeit Greenwich

Tag	BD +89° 1 Gr. 10.56ᵐ		BD +89° 3 Gr. 9.06ᵐ		BD +89° 37 Gr. 10.06ᵐ		CPD −89° 38 Gr. 9.5ᵐ		Kurzperiod. Mondgl.*)	
1928	x	y	x	y	x	y	x	y	in 0.″01	
Jan. 0	−52.″48	+74.″97	+149.″13	+859.″11	−835.″43	−346.″99	−296.″27	−310.″31	+ 2	−10
1	52.46	74.64	149.15	858.77	835.41	347.32	296.18	310.63	+ 6	− 9
2	52.44	74.33	149.17	858.47	835.39	347.63	296.08	310.98	+ 9	− 5
3	52.45	74.04	149.17	858.18	835.40	347.92	295.94	311.35	+ 9	0
4	52.47	73.73	149.15	857.88	835.42	348.23	295.77	311.70	+ 7	+ 4
5	−52.49	+73.43	+149.13	+857.58	−835.44	−348.53	−295.58	−312.04	+ 4	+ 8
6	52.52	73.10	149.09	857.26	835.47	348.86	295.36	312.37	− 1	+10
7	52.54	72.75	149.07	856.91	835.49	349.21	295.15	312.66	− 5	+ 9
8	52.55	72.39	149.06	856.55	835.50	349.57	294.94	312.94	− 9	+ 7
9	52.53	72.01	149.08	856.18	835.48	349.95	294.74	313.20	−11	+ 3
10	−52.49	+71.64	+149.12	+855.80	−835.44	−350.33	−294.55	−313.46	−11	− 1
11	52.42	71.26	149.18	855.43	835.37	350.70	294.38	313.71	− 9	− 5
12	52.34	70.90	149.27	855.06	835.29	351.07	294.22	313.97	− 6	− 8
13	52.24	70.56	149.37	854.72	835.19	351.41	294.06	314.25	− 2	− 9
14	52.13	70.24	149.48	854.40	835.09	351.73	293.89	314.55	+ 2	− 8
15	−52.03	+69.92	+149.58	+854.08	−834.99	−352.05	−293.71	−314.84	+ 5	− 7
16	51.93	69.62	149.68	853.78	834.89	352.35	293.51	315.15	+ 7	− 4
17	51.82	69.34	149.79	853.50	834.78	352.64	293.30	315.47	+ 9	0
18	51.73	69.06	149.88	853.22	834.69	352.92	293.07	315.79	+ 9	+ 4
19	51.65	68.77	149.96	852.93	834.61	353.21	292.81	316.09	+ 7	+ 7
20	−51.57	+68.47	+150.04	+852.63	−834.53	−353.51	−292.54	−316.37	+ 4	+ 9
21	51.50	68.17	150.11	852.33	834.46	353.81	292.26	316.65	0	+10
22	51.42	67.84	150.19	852.00	834.38	354.15	291.98	316.89	− 3	+ 8
23	51.33	67.50	150.28	851.66	834.29	354.49	291.70	317.12	− 6	+ 5
24	51.21	67.14	150.40	851.30	834.17	354.85	291.43	317.32	− 7	0
25	−51.06	+66.80	+150.56	+850.96	−834.02	−355.19	−291.18	−317.53	− 6	− 4
26	50.90	66.46	150.71	850.62	833.86	355.53	290.93	317.74	− 4	− 8
27	50.71	66.14	150.90	850.30	833.67	355.85	290.69	317.97	0	−10
28	50.52	65.85	151.09	850.01	833.47	356.14	290.45	318.21	+ 4	−10
29	50.33	65.59	151.28	849.75	833.28	356.40	290.20	318.47	+ 7	− 7
30	−50.14	+65.35	+151.47	+849.51	−833.10	−356.64	−289.93	−318.75	+ 9	− 2
31	49.99	65.12	151.62	849.28	832.94	356.87	289.63	319.03	+ 8	+ 3
Febr. 1	49.84	64.88	151.77	849.04	832.79	357.11	289.31	319.30	+ 5	+ 7
2	49.70	64.62	151.91	848.78	832.65	357.37	288.97	319.54	+ 1	+ 9
3	49.56	64.36	152.05	848.52	832.51	357.63	288.63	319.76	− 3	+10
4	−49.41	+64.07	+152.20	+848.23	−832.36	−357.92	−288.28	−319.95	− 7	+ 8
5	49.24	63.77	152.37	847.92	832.19	358.22	287.94	320.12	−10	+ 4
6	−49.05	+63.47	+152.56	+847.62	−832.00	−358.52	−287.61	−320.28	−11	0
Mittl. Ort	−38.″86	+79.″36	+162.″70	+863.″52	−821.″78	−342.″65	−269.″40	−309.″15		

Die Werte von x und y enthalten bereits die kurzperiodischen Mondglieder.

*) Die Vorzeichen gelten für die drei nördlichen Sterne, für den südlichen sind sie umzukehren.

Polnahe Sterne 1928

Scheinbare Koordinaten für 12h Sternzeit Greenwich

Tag	BD +89° 1 Gr. 10.56m		BD +89° 3 Gr. 9.06m		BD +89° 37 Gr. 10.06m		CPD −89° 38 Gr. 9.5m		Kurzperiod. Mondgl.*)	
1928	x	y	x	y	x	y	x	y	in 0.01"	
Febr. 6	−49.05"	+63.47"	+152.56"	+847.62"	−832.00"	−358.52"	−287.61"	−320.28"	−11	0
7	48.82	63.17	152.79	847.33	831.77	358.82	287.31	320.44	− 9	− 4
8	48.59	62.89	153.02	847.05	831.54	359.10	287.00	320.61	− 7	− 7
9	48.33	62.63	153.27	846.78	831.29	359.36	286.72	320.78	− 3	− 9
10	48.08	62.38	153.52	846.54	831.04	359.61	286.42	320.97	0	− 9
11	−47.82	+62.15	+153.78	+846.32	−830.78	−359.84	−286.13	−321.16	+ 4	− 8
12	47.56	61.95	154.04	846.12	830.52	360.04	285.83	321.37	+ 7	− 5
13	47.31	61.76	154.29	845.93	830.27	360.23	285.51	321.58	+ 9	− 1
14	47.07	61.57	154.53	845.74	830.03	360.42	285.17	321.78	+ 9	+ 2
15	46.84	61.39	154.76	845.56	829.80	360.60	284.81	321.99	+ 8	+ 6
16	−46.61	+61.20	+154.99	+845.37	−829.57	−360.79	−284.44	−322.17	+ 6	+ 8
17	46.40	61.01	155.20	845.18	829.36	360.98	284.05	322.35	+ 2	+10
18	46.18	60.80	155.42	844.97	829.14	361.19	283.65	322.49	− 2	+ 9
19	45.95	60.58	155.65	844.74	828.91	361.42	283.27	322.61	− 5	+ 6
20	45.71	60.34	155.89	844.51	828.67	361.65	282.89	322.71	− 7	+ 2
21	−45.45	+60.11	+156.15	+844.28	−828.41	−361.88	−282.53	−322.79	− 7	− 3
22	45.16	59.89	156.44	844.06	828.12	362.10	282.19	322.88	− 5	− 7
23	44.86	59.68	156.74	843.86	827.82	362.31	281.86	322.98	− 2	−10
24	44.54	59.51	157.06	843.69	827.50	362.48	281.53	323.10	+ 2	−10
25	44.22	59.37	157.38	843.55	827.18	362.63	281.20	323.24	+ 6	− 8
26	−43.92	+59.25	+157.68	+843.43	−826.87	−362.75	−280.84	−323.39	+ 8	− 4
27	43.64	59.15	157.97	843.33	826.59	362.85	280.47	323.55	+ 8	+ 1
28	43.37	59.04	158.24	843.22	826.32	362.95	280.07	323.69	+ 6	+ 5
29	43.11	58.94	158.50	843.12	826.06	363.05	279.66	323.83	+ 3	+ 9
März 1	42.87	58.82	158.74	843.00	825.82	363.18	279.24	323.93	− 2	+10
2	−42.62	+58.68	+158.99	+842.86	−825.56	−363.32	−278.82	−324.01	− 6	+ 9
3	42.35	58.53	159.25	842.71	825.30	363.47	278.41	324.06	− 9	+ 6
4	42.07	58.37	159.53	842.55	825.02	363.63	278.01	324.10	−11	+ 2
5	41.76	58.22	159.84	842.40	824.71	363.78	277.63	324.13	−10	− 2
6	41.44	58.08	160.16	842.25	824.39	363.92	277.26	324.16	− 8	− 6
7	−41.10	+57.96	+160.50	+842.13	−824.05	−364.04	−276.90	−324.20	− 5	− 8
8	40.75	57.86	160.84	842.03	823.71	364.14	276.56	324.25	− 1	− 9
9	40.41	57.79	161.19	841.96	823.36	364.21	276.21	324.32	+ 3	− 8
10	40.07	57.73	161.53	841.90	823.02	364.27	275.85	324.39	+ 6	− 6
11	39.74	57.68	161.85	841.85	822.70	364.32	275.48	324.46	+ 8	− 3
12	−39.42	+57.65	+162.17	+841.83	−822.38	−364.35	−275.10	−324.54	+ 9	+ 1
13	39.11	57.63	162.48	841.81	822.07	364.37	274.71	324.61	+ 9	+ 5
14	−38.82	+57.61	+162.77	+841.79	−821.78	−364.39	−274.30	−324.67	+ 7	+ 8
Mittl. Ort	−38.86"	+79.36"	+162.70"	+863.52"	−821.78"	−342.65"	−269.40"	−309.15"		

Die Werte von x und y enthalten bereits die kurzperiodischen Mondglieder.

*) Die Vorzeichen gelten für die drei nördlichen Sterne, für den südlichen sind sie umzukehren.

Polnahe Sterne 1928

Scheinbare Koordinaten für 12ʰ Sternzeit Greenwich

Tag	BD +89° 1 Gr. 10ᵐ.56		BD +89° 3 Gr. 9ᵐ.06		BD +89° 37 Gr. 10ᵐ.06		CPD −89° 38 Gr. 9ᵐ.5		Kurzperiod. Mondgl.*)	
1928	x	y	x	y	x	y	x	y	in 0″.01	
März 14	−38″.82	+57″.61	+162″.77	+841″.79	−821″.78	−364″.39	−274″.30	−324″.67	+ 7	+ 8
15	38.53	57.57	163.06	841.75	821.49	364.43	273.88	324.70	+ 4	+ 9
16	38.26	57.53	163.34	841.71	821.21	364.47	273.45	324.72	0	+ 9
17	37.97	57.48	163.62	841.66	820.93	364.52	273.02	324.71	− 3	+ 7
18	37.69	57.42	163.91	841.60	820.64	364.58	272.60	324.69	− 6	+ 4
19	−37.37	+57.35	+164.22	+841.53	−820.33	−364.65	−272.20	−324.65	− 6	− 1
20	37.05	57.29	164.54	841.47	820.01	364.71	271.82	324.61	− 5	− 5
21	36.72	57.24	164.88	841.42	819.67	364.76	271.45	324.56	− 3	− 9
22	36.37	57.23	165.23	841.41	819.32	364.77	271.10	324.54	+ 1	−10
22	36.01	57.24	165.58	841.42	818.97	364.76	270.74	324.54	+ 5	− 9
23	−35.68	+57.28	+165.92	+841.46	−818.63	−364.72	−270.37	−324.55	+ 7	− 6
24	35.36	57.34	166.24	841.52	818.31	364.66	269.99	324.57	+ 8	− 1
25	35.06	57.40	166.54	841.58	818.01	364.60	269.58	324.58	+ 7	+ 3
26	34.78	57.48	166.82	841.66	817.73	364.52	269.16	324.60	+ 4	+ 7
27	34.52	57.54	167.08	841.72	817.47	364.47	268.72	324.58	− 1	+10
28	−34.25	+57.58	+167.35	+841.76	−817.20	−364.43	−268.29	−324.53	− 5	+10
29	33.98	57.59	167.61	841.77	816.93	364.41	267.86	324.45	− 9	+ 7
30	33.69	57.61	167.90	841.79	816.64	364.39	267.45	324.37	−11	+ 4
31	33.39	57.62	168.20	841.80	816.34	364.39	267.06	324.26	−11	− 1
April 1	33.06	57.64	168.53	841.82	816.01	364.37	266.70	324.15	− 9	− 5
2	−32.74	+57.68	+168.85	+841.86	−815.69	−364.33	−266.34	−324.05	− 7	− 8
3	32.40	57.75	169.19	841.93	815.35	364.26	266.00	323.97	− 3	− 9
4	32.06	57.83	169.53	842.01	815.01	364.18	265.66	323.89	+ 1	− 9
5	31.72	57.94	169.87	842.12	814.67	364.07	265.32	323.83	+ 5	− 7
6	31.41	58.06	170.18	842.25	814.36	363.94	264.96	323.77	+ 7	− 4
7	−31.10	+58.20	+170.49	+842.39	−814.05	−363.80	−264.61	−323.71	+ 9	0
8	30.81	58.33	170.78	842.52	813.76	363.67	264.23	323.64	+ 9	+ 3
9	30.55	58.48	171.04	842.67	813.49	363.52	263.84	323.58	+ 7	+ 7
10	30.28	58.62	171.31	842.81	813.23	363.38	263.45	323.50	+ 5	+ 9
11	30.03	58.75	171.56	842.94	812.97	363.25	263.05	323.40	+ 2	+10
12	−29.79	+58.86	+171.80	+843.04	−812.73	−363.15	−262.64	−323.26	− 2	+ 8
13	29.54	58.96	172.05	843.14	812.48	363.05	262.26	323.11	− 4	+ 5
14	29.29	59.06	172.30	843.24	812.23	362.95	261.87	322.95	− 6	+ 1
15	29.01	59.15	172.58	843.33	811.95	362.86	261.52	322.77	− 5	− 4
16	28.72	59.26	172.87	843.44	811.66	362.75	261.18	322.60	− 3	− 8
17	−28.43	+59.39	+173.16	+843.57	−811.37	−362.61	−260.86	−322.44	0	−10
18	28.13	59.55	173.46	843.73	811.07	362.45	260.54	322.29	+ 4	−10
19	−27.84	+59.73	+173.74	+843.91	−810.78	−362.27	−260.22	−322.17	+ 7	− 8
Mittl. Ort	−38″.86	+79″.36	+162″.70	+863″.52	−821″.78	−342″.65	−269″.40	−309″.15		

Die Werte von *x* und *y* enthalten bereits die kurzperiodischen Mondglieder.

*) Die Vorzeichen gelten für die drei nördlichen Sterne, für den südlichen sind sie umzukehren.

Polnahe Sterne 1928

Scheinbare Koordinaten für 12h Sternzeit Greenwich

Tag	BD +89° 1		BD +89° 3		BD +89° 37		CPD −89° 38		Kurzperiod. Mondgl.*)	
	Gr. 10.56m		Gr. 9.06m		Gr. 10.06m		Gr. 9.5m			
1928	x	y	x	y	x	y	x	y	in 0.01"	
April 19	−27.84"	+59.73"	+173.74"	+843.91"	−810.78"	−362.27"	−260.22"	−322.17"	+ 7	− 8
20	27.57	59.94	174.02	844.12	810.51	362.07	259.89	322.06	+ 9	− 4
21	27.33	60.16	174.26	844.34	810.27	361.85	259.53	321.95	+ 8	+ 1
22	27.11	60.39	174.47	844.57	810.05	361.62	259.16	321.84	+ 5	+ 6
23	26.91	60.60	174.67	844.78	809.85	361.41	258.78	321.71	+ 1	+ 9
24	−26.71	+60.80	+174.87	+844.98	−809.65	−361.21	−258.40	−321.55	− 3	+10
25	26.53	60.97	175.05	845.15	809.47	361.04	258.01	321.36	− 8	+ 8
26	26.33	61.14	175.25	845.32	809.27	360.88	257.65	321.15	−11	+ 5
27	26.12	61.30	175.46	845.48	809.05	360.72	257.31	320.92	−12	+ 1
28	25.89	61.46	175.69	845.64	808.82	360.56	257.00	320.70	−11	− 3
29	−25.64	+61.63	+175.94	+845.81	−808.57	−360.39	−256.70	−320.47	− 8	− 7
30	25.40	61.82	176.18	846.00	808.33	360.20	256.41	320.26	− 5	− 9
Mai 1	25.15	62.04	176.43	846.22	808.08	359.98	256.14	320.06	− 1	− 9
2	24.91	62.27	176.67	846.45	807.84	359.75	255.87	319.87	+ 3	− 8
3	24.68	62.53	176.90	846.71	807.61	359.49	255.59	319.70	+ 6	− 5
4	−24.47	+62.79	+177.11	+846.97	−807.39	−359.23	−255.30	−319.52	+ 8	− 2
5	24.28	63.06	177.30	847.24	807.20	358.96	255.00	319.35	+ 8	+ 2
6	24.09	63.34	177.49	847.51	807.02	358.68	254.70	319.18	+ 8	+ 6
7	23.93	63.60	177.65	847.77	806.86	358.42	254.38	318.98	+ 6	+ 8
8	23.79	63.86	177.79	848.04	806.71	358.16	254.06	318.77	+ 3	+10
9	−23.66	+64.10	+177.92	+848.27	−806.58	−357.92	−253.73	−318.54	− 1	+ 9
10	23.52	64.33	178.05	848.50	806.45	357.69	253.42	318.29	− 4	+ 7
11	23.37	64.54	178.20	848.71	806.30	357.48	253.13	318.02	− 5	+ 3
12	23.23	64.75	178.34	848.92	806.15	357.27	252.85	317.73	− 6	− 2
13	23.06	64.97	178.51	849.14	805.98	357.05	252.60	317.45	− 4	− 6
14	−22.89	+65.20	+178.68	+849.37	−805.80	−356.82	−252.36	−317.18	− 1	− 9
15	22.71	65.45	178.86	849.62	805.62	356.57	252.14	316.92	+ 3	−10
16	22.54	65.73	179.03	849.90	805.45	356.29	251.92	316.68	+ 7	− 9
17	22.39	66.04	179.18	850.21	805.30	355.98	251.68	316.47	+ 9	− 5
18	22.26	66.35	179.31	850.52	805.17	355.67	251.44	316.25	+10	− 1
19	−22.16	+66.68	+179.41	+850.85	−805.07	−355.34	−251.18	−316.05	+ 8	+ 4
20	22.09	66.99	179.48	851.16	805.00	355.03	250.90	315.83	+ 4	+ 8
21	22.03	67.29	179.53	851.46	804.94	354.73	250.61	315.59	− 1	+10
22	21.98	67.56	179.58	851.73	804.89	354.46	250.33	315.31	− 6	+ 9
23	21.92	67.83	179.64	852.00	804.84	354.19	250.07	315.02	−10	+ 7
24	−21.85	+68.08	+179.71	+852.24	−804.77	−353.94	−249.83	−314.70	−12	+ 3
25	21.77	68.32	179.79	852.48	804.69	353.70	249.61	314.38	−12	− 2
26	−21.67	+68.57	+179.89	+852.73	−804.59	−353.45	−249.42	−314.06	−10	− 6
Mittl. Ort	−38.86"	+79.36"	+162.70"	+863.52"	−821.78"	−342.65"	−269.40"	−309.15"		

Die Werte von x und y enthalten bereits die kurzperiodischen Mondglieder.

*) Die Vorzeichen gelten für die drei nördlichen Sterne, für den südlichen sind sie umzukehren.

Polnahe Sterne 1928

Scheinbare Koordinaten für 12h Sternzeit Greenwich

Tag	BD +89° 1 Gr. 10.56m		BD +89° 3 Gr. 9.06m		BD +89° 37 Gr. 10.06m		CPD −89° 38 Gr. 9.5m		Kurzperiod. Mondgl.*)	
1928	x	y	x	y	x	y	x	y	in 0.01″	
Mai 26	−21.67″	+68.57″	+179.89″	+852.73″	−804.59″	−353.45″	−249.42″	−314.06″	−10	−6
27	21.57	68.84	179.99	853.00	804.49	353.18	249.24	313.76	−7	−8
28	21.46	69.12	180.10	853.28	804.38	352.90	249.08	313.46	−3	−9
29	21.36	69.42	180.20	853.59	804.28	352.60	248.92	313.19	+1	−8
30	21.26	69.74	180.30	853.90	804.18	352.28	248.77	312.92	+5	−6
31	−21.19	+70.07	+180.37	+854.23	−804.11	−351.95	−248.60	−312.66	+7	−3
Juni 1	21.14	70.40	180.42	854.57	804.06	351.62	248.43	312.41	+8	+1
2	21.10	70.73	180.46	854.90	804.02	351.29	248.25	312.15	+8	+4
3	21.09	71.06	180.47	855.23	804.00	350.96	248.06	311.88	+6	+7
4	21.09	71.39	180.47	855.55	804.00	350.63	247.86	311.60	+3	+9
5	−21.10	+71.69	+180.46	+855.85	−804.01	−350.33	−247.67	−311.30	0	+9
6	21.11	71.98	180.44	856.14	804.03	350.04	247.48	310.99	−3	+8
7	21.12	72.25	180.43	856.40	804.04	349.77	247.31	310.65	−5	+4
8	21.13	72.51	180.43	856.66	804.04	349.51	247.15	310.31	−6	0
9	21.12	72.76	180.44	856.92	804.03	349.26	247.02	309.95	−5	−5
10	−21.10	+73.04	+180.46	+857.20	−804.01	−348.98	−246.92	−309.61	−2	−8
11	21.07	73.32	180.48	857.48	803.98	348.70	246.83	309.29	+2	−10
12	21.05	73.63	180.50	857.79	803.96	348.39	246.74	308.98	+6	−10
13	21.04	73.97	180.50	858.13	803.95	348.05	246.65	308.70	+9	−7
14	21.06	74.32	180.48	858.48	803.97	347.70	246.54	308.43	+10	−2
15	−21.10	+74.67	+180.44	+858.83	−804.01	−347.35	−246.43	−308.16	+10	+2
16	21.18	75.02	180.36	859.18	804.09	347.00	246.29	307.89	+6	+7
17	21.27	75.36	180.27	859.52	804.17	346.66	246.15	307.60	+2	+10
18	21.38	75.66	180.17	859.82	804.27	346.36	246.01	307.29	−3	+10
19	21.49	75.95	180.06	860.11	804.38	346.07	245.87	306.95	−8	+8
20	−21.58	+76.21	+179.96	+860.37	−804.47	−345.81	−245.76	−306.59	−11	+4
21	21.66	76.48	179.88	860.64	804.55	345.54	245.68	306.24	−12	0
22	21.73	76.74	179.81	860.90	804.62	345.28	245.62	305.88	−11	−4
23	21.78	77.02	179.76	861.18	804.67	345.00	245.58	305.53	−8	−7
24	21.83	77.30	179.71	861.46	804.72	344.72	245.56	305.19	−4	−9
25	−21.89	+77.60	+179.65	+861.76	−804.77	−344.42	−245.55	−304.86	0	−9
26	21.96	77.92	179.58	862.08	804.84	344.10	245.54	304.56	+3	−7
27	22.03	78.24	179.51	862.40	804.92	343.78	245.53	304.27	+6	−4
28	22.13	78.57	179.41	862.73	805.01	343.45	245.50	303.98	+7	−1
29	22.24	78.91	179.30	863.07	805.12	343.11	245.48	303.70	+8	+3
30	−22.38	+79.23	+179.16	+863.39	−805.26	−342.79	−245.44	−303.41	+6	+6
Juli 1	22.52	79.56	179.02	863.72	805.40	342.46	245.40	303.12	+4	+9
2	−22.68	+79.86	+178.86	+864.02	−805.56	−342.16	−245.36	−302.81	+1	+10
Mittl. Ort	−38.86″	+79.36″	+162.70″	+863.52″	−821.78″	−342.65″	−269.40″	−309.15″		

Die Werte von x und y enthalten bereits die kurzperiodischen Mondglieder.

*) Die Vorzeichen gelten für die drei nördlichen Sterne, für den südlichen sind sie umzukehren.

Scheinbare Koordinaten für 12h Sternzeit Greenwich

Tag	BD +89° 1 Gr. 10.56m		BD +89° 3 Gr. 9.06m		BD +89° 37 Gr. 10.06m		CPD −89° 38 Gr. 9.5m		Kurzperiod. Mondgl.*)	
1928	x	y	x	y	x	y	x	y	in 0.01″	
Juli 2	−22.68″	+79.86″	+178.86″	+864.02″	−805.56″	−342.16″	−245.36″	−302.81″	+ 1	+10
3	22.85	80.14	178.69	864.30	805.73	341.88	245.32	302.48	− 2	+ 9
4	23.02	80.40	178.52	864.56	805.90	341.62	245.29	302.13	− 5	+ 6
5	23.19	80.65	178.35	864.81	806.06	341.37	245.28	301.77	− 7	+ 2
6	23.33	80.88	178.21	865.04	806.20	341.14	245.30	301.40	− 6	− 3
7	−23.47	+81.13	+178.07	+865.29	−806.34	−340.89	−245.33	−301.04	− 4	− 7
8	23.60	81.38	177.94	865.54	806.47	340.64	245.38	300.69	− 1	−10
9	23.72	81.66	177.82	865.82	806.59	340.36	245.46	300.38	+ 4	−10
10	23.85	81.96	177.68	866.12	806.72	340.06	245.53	300.08	+ 8	− 8
11	24.01	82.27	177.52	866.43	806.88	339.75	245.59	299.80	+10	− 5
12	−24.19	+82.59	+177.34	+866.75	−807.06	−339.43	−245.64	−299.54	+10	0
13	24.40	82.92	177.13	867.07	807.27	339.11	245.67	299.28	+ 8	+ 5
14	24.63	83.23	176.90	867.38	807.50	338.80	245.69	299.01	+ 4	+ 9
15	24.88	83.50	176.65	867.66	807.75	338.52	245.70	298.71	− 1	+10
16	25.12	83.76	176.40	867.92	807.99	338.26	245.73	298.39	− 5	+ 9
17	−25.37	+83.99	+176.15	+868.15	−808.24	−338.03	−245.76	−298.06	− 9	+ 6
18	25.60	84.21	175.92	868.37	808.47	337.81	245.82	297.71	−11	+ 2
19	25.82	84.42	175.71	868.58	808.69	337.61	245.90	297.36	−11	− 3
20	26.02	84.65	175.51	868.80	808.89	337.39	246.01	297.03	− 9	− 6
21	26.21	84.87	175.31	869.02	809.08	337.17	246.13	296.71	− 6	− 9
22	−26.40	+85.12	+175.12	+869.27	−809.27	−336.91	−246.27	−296.41	− 2	− 9
23	26.60	85.38	174.92	869.53	809.46	336.65	246.42	296.13	+ 2	− 8
24	26.81	85.65	174.71	869.80	809.67	336.38	246.56	295.86	+ 5	− 6
25	27.03	85.93	174.49	870.08	809.89	336.10	246.70	295.61	+ 7	− 2
26	27.27	86.21	174.25	870.35	810.13	335.83	246.83	295.36	+ 8	+ 2
27	−27.53	+86.47	+173.99	+870.62	−810.40	−335.56	−246.95	−295.11	+ 7	+ 5
28	27.81	86.73	173.71	870.88	810.67	335.30	247.06	294.86	+ 5	+ 8
29	28.10	86.97	173.42	871.12	810.96	335.06	247.17	294.59	+ 2	+ 9
30	28.40	87.19	173.12	871.34	811.26	334.84	247.28	294.32	− 1	+ 9
31	28.70	87.39	172.82	871.54	811.56	334.64	247.40	294.03	− 4	+ 7
Aug. 1	−28.99	+87.58	+172.53	+871.73	−811.85	−334.45	−247.53	−293.73	− 6	+ 4
2	29.28	87.75	172.24	871.90	812.14	334.28	247.68	293.41	− 7	− 1
3	29.55	87.92	171.97	872.07	812.41	334.11	247.85	293.10	− 6	− 5
4	29.80	88.09	171.71	872.24	812.66	333.94	248.05	292.80	− 3	− 9
5	30.05	88.28	171.47	872.43	812.91	333.75	248.26	292.53	+ 1	−10
6	−30.30	+88.49	+171.22	+872.64	−813.16	−333.54	−248.48	−292.29	+ 5	− 9
7	30.56	88.72	170.96	872.87	813.42	333.31	248.70	292.07	+ 9	− 6
8	−30.84	+88.96	+170.67	+873.11	−813.70	−333.08	−248.90	−291.87	+10	− 2
Mittl. Ort	−38.86″	+79.36″	+162.70″	+863.52″	−821.78″	−342.65″	−269.40″	−309.15″		

Die Werte von x und y enthalten bereits die kurzperiodischen Mondglieder.

*) Die Vorzeichen gelten für die drei nördlichen Sterne, für den südlichen sind sie umzukehren.

Polnahe Sterne 1928

Scheinbare Koordinaten für 12h Sternzeit Greenwich

Tag	BD +89° 1 Gr. 10.56m		BD +89° 3 Gr. 9.06m		BD +89° 37 Gr. 10.06m		CPD −89° 38 Gr. 9.5m		Kurzperiod. Mondgl.*)	
1928	x	y	x	y	x	y	x	y	in 0.01"	
Aug. 8	−30.84"	+88.96"	+170.67"	+873.11"	−813.70"	−333.08"	−248.90"	−291.87"	+10	− 2
9	31.15	89.20	170.36	873.35	814.01	332.84	249.08	291.68	+ 9	+ 3
10	31.49	89.44	170.02	873.59	814.35	332.60	249.24	291.49	+ 6	+ 8
11	31.84	89.64	169.67	873.79	814.70	332.40	249.40	291.28	+ 2	+10
12	32.20	89.82	169.31	873.97	815.06	332.22	249.56	291.05	− 3	+10
13	−32.57	+89.98	+168.94	+874.13	−815.43	−332.06	−249.72	−290.80	− 8	+ 8
14	32.91	90.11	168.60	874.26	815.77	331.93	249.91	290.54	−10	+ 4
15	33.25	90.23	168.26	874.38	816.10	331.81	250.12	290.27	−11	− 1
16	33.55	90.35	167.96	874.50	816.41	331.69	250.36	290.02	− 9	− 5
17	33.86	90.48	167.65	874.63	816.71	331.56	250.61	289.78	− 7	− 8
18	−34.15	+90.63	+167.36	+874.78	−817.00	−331.41	−250.87	−289.57	− 3	− 9
19	34.44	90.78	167.07	874.93	817.29	331.26	251.14	289.37	+ 1	− 9
20	34.75	90.95	166.76	875.10	817.60	331.09	251.41	289.19	+ 4	− 7
21	35.06	91.12	166.45	875.27	817.91	330.92	251.68	289.03	+ 7	− 4
22	35.39	91.30	166.12	875.45	818.24	330.74	251.94	288.88	+ 8	0
23	−35.74	+91.48	+165.77	+875.63	−818.59	−330.56	−252.19	−288.74	+ 8	+ 4
24	36.10	91.64	165.41	875.79	818.96	330.40	252.42	288.59	+ 6	+ 7
25	36.48	91.79	165.03	875.93	819.34	330.25	252.64	288.44	+ 3	+ 9
26	36.87	91.92	164.64	876.06	819.72	330.12	252.87	288.28	0	+10
27	37.25	92.02	164.26	876.16	820.11	330.02	253.10	288.10	− 3	+ 8
28	−37.64	+92.10	+163.87	+876.25	−820.49	−329.94	−253.33	−287.91	− 6	+ 5
29	38.01	92.17	163.50	876.32	820.86	329.87	253.59	287.72	− 7	+ 1
30	38.36	92.23	163.15	876.37	821.21	329.81	253.87	287.52	− 6	− 4
31	38.71	92.29	162.80	876.43	821.55	329.75	254.16	287.34	− 4	− 8
Sept. 1	39.04	92.37	162.46	876.51	821.89	329.67	254.47	287.18	− 1	−10
2	−39.36	+92.46	+162.14	+876.60	−822.21	−329.58	−254.80	−287.05	+ 4	−10
3	39.70	92.57	161.80	876.71	822.54	329.47	255.12	286.94	+ 7	− 8
4	40.05	92.69	161.45	876.83	822.89	329.34	255.42	286.86	+ 9	− 4
5	40.42	92.82	161.07	876.96	823.27	329.21	255.71	286.80	+ 9	+ 1
6	40.82	92.94	160.68	877.08	823.66	329.09	255.98	286.74	+ 7	+ 6
7	−41.22	+93.04	+160.27	+877.18	−824.06	−328.99	−256.24	−286.67	+ 4	+ 9
8	41.66	93.11	159.84	877.25	824.50	328.92	256.47	286.58	− 2	+10
9	42.08	93.16	159.42	877.30	824.91	328.87	256.72	286.48	− 6	+ 9
10	42.50	93.18	159.00	877.32	825.33	328.86	256.97	286.35	−10	+ 5
11	42.89	93.19	158.61	877.33	825.72	328.85	257.26	286.23	−11	+ 1
12	−43.26	+93.20	+158.23	+877.34	−826.10	−328.84	−257.57	−286.12	−10	− 3
13	43.62	93.20	157.87	877.34	826.46	328.84	257.90	286.01	− 8	− 7
14	−43.97	+93.22	+157.52	+877.36	−826.81	−328.82	−258.24	−285.93	− 4	− 9
Mittl. Ort	−38.86"	+79.36"	+162.70"	+863.52"	−821.78"	−342.65"	−269.40"	−309.15"		

Die Werte von x und y enthalten bereits die kurzperiodischen Mondglieder.

*) Die Vorzeichen gelten für die drei nördlichen Sterne, für den südlichen sind sie umzukehren.

Polnahe Sterne 1928

Scheinbare Koordinaten für 12^h Sternzeit Greenwich

Tag	BD +89° 1 Gr. 10.56^m		BD +89° 3 Gr. 9.06^m		BD +89° 37 Gr. 10.06^m		CPD −89° 38 Gr. 9.5^m		Kurzperiod. Mondgl.*)	
1928	x	y	x	y	x	y	x	y	in 0.″01	
Sept. 14	−43.″97	+93.″22	+157.″52	+877.″36	−826.″81	−328.″82	−258.″24	−285.″93	− 4	− 9
15	44.31	93.25	157.18	877.39	827.15	328.79	258.58	285.87	0	− 9
16	44.67	93.29	156.82	877.43	827.51	328.75	258.91	285.83	+ 3	− 8
17	45.02	93.34	156.47	877.48	827.86	328.70	259.25	285.82	+ 6	− 5
18	45.39	93.40	156.10	877.54	828.23	328.65	259.57	285.82	+ 8	− 1
19	−45.78	+93.45	+155.72	+877.59	−828.61	−328.60	−259.88	−285.83	+ 8	+ 3
20	46.18	93.49	155.32	877.63	829.01	328.56	260.17	285.83	+ 7	+ 6
21	46.59	93.51	154.91	877.65	829.42	328.54	260.46	285.83	+ 5	+ 8
22	47.01	93.53	154.49	877.67	829.84	328.52	260.74	285.83	+ 2	+10
23	47.43	93.52	154.07	877.66	830.26	328.53	261.02	285.81	− 1	+ 9
24	−47.85	+93.48	+153.65	+877.62	−830.68	−328.57	−261.30	−285.78	− 4	+ 6
25	48.26	93.43	153.24	877.57	831.09	328.62	261.58	285.76	− 6	+ 3
26	48.65	93.36	152.85	877.50	831.48	328.69	261.89	285.72	− 6	− 2
27	49.03	93.30	152.47	877.44	831.86	328.75	262.21	285.69	− 5	− 6
28	49.38	93.24	152.11	877.38	832.21	328.81	262.55	285.68	− 2	− 9
29	−49.73	+93.18	+151.76	+877.32	−832.56	−328.87	−262.89	−285.69	+ 2	−11
30	50.08	93.16	151.41	877.30	832.91	328.89	263.24	285.74	+ 6	− 9
Okt. 1	50.44	93.15	151.05	877.29	833.27	328.90	263.58	285.81	+ 9	− 6
2	50.83	93.15	150.66	877.29	833.66	328.90	263.89	285.91	+ 9	− 1
3	51.23	93.15	150.26	877.29	834.06	328.91	264.18	286.01	+ 8	+ 4
4	−51.66	+93.13	+149.84	+877.27	−834.48	−328.93	−264.45	−286.11	+ 4	+ 8
5	52.08	93.08	149.41	877.22	834.91	328.97	264.71	286.19	0	+10
6	52.52	93.02	148.98	877.16	835.34	329.04	264.96	286.26	− 5	+10
7	52.94	92.91	148.55	877.05	835.77	329.15	265.22	286.31	− 9	+ 7
8	53.35	92.79	148.15	876.93	836.17	329.27	265.49	286.35	−11	+ 3
9	−53.73	+92.66	+147.77	+876.80	−836.55	−329.40	−265.79	−286.39	−11	− 2
10	54.09	92.53	147.41	876.67	836.91	329.53	266.10	286.44	− 9	− 6
11	54.44	92.41	147.06	876.55	837.26	329.65	266.43	286.51	− 6	− 9
12	54.78	92.30	146.72	876.44	837.60	329.76	266.77	286.61	− 2	−10
13	55.12	92.22	146.38	876.36	837.94	329.84	267.10	286.75	+ 2	− 8
14	−55.46	+92.13	+146.03	+876.28	−838.29	−329.93	−267.41	−286.89	+ 5	− 6
15	55.82	92.05	145.68	876.20	838.64	330.01	267.72	287.04	+ 7	− 3
16	56.18	91.97	145.31	876.12	839.01	330.09	268.01	287.21	+ 8	+ 1
17	56.56	91.89	144.93	876.04	839.39	330.17	268.28	287.39	+ 7	+ 5
18	56.94	91.79	144.55	875.94	839.77	330.27	268.54	287.56	+ 6	+ 8
19	−57.34	+91.67	+144.16	+875.82	−840.16	−330.39	−268.78	−287.71	+ 3	+ 9
20	57.73	91.53	143.76	875.68	840.56	330.53	269.02	287.86	0	+ 9
21	−58.13	+91.38	+143.36	+875.53	−840.96	−330.68	−269.26	−288.01	− 3	+ 8
Mittl. Ort	−38.″86	+79.″36	+162.″70	+863.″52	−821.″78	−342.″65	−269.″40	−309.″15		

Die Werte von x und y enthalten bereits die kurzperiodischen Mondglieder.

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Polnahe Sterne 1928

Scheinbare Koordinaten für 12^h Sternzeit Greenwich

Tag	BD +89° 1 Gr. $10^m.56$		BD +89° 3 Gr. $9^m.06$		BD +89° 37 Gr. $10^m.06$		CPD −89° 38 Gr. $9^m.5$		Kurzperiod. Mondgl.*)	
1928	x	y	x	y	x	y	x	y	in 0.01″	
Okt. 21	−58.″13	+91.″38	+143.″36	+875.″53	−840.″96	−330.″68	−269.″26	−288.″01	− 3	+ 8
22	58.51	91.19	142.98	875.34	841.34	330.87	269.51	288.13	− 5	+ 4
23	58.87	91.00	142.62	875.15	841.70	331.06	269.76	288.26	− 6	0
24	59.22	90.79	142.27	874.95	842.05	331.27	270.03	288.38	− 5	− 5
25	59.54	90.60	141.95	874.76	842.37	331.46	270.31	288.53	− 2	− 8
26	−59.86	+90.42	+141.63	+874.58	−842.69	−331.64	−270.59	−288.69	+ 1	−10
27	60.17	90.25	141.32	874.41	843.00	331.81	270.87	288.88	+ 5	−10
28	60.49	90.11	141.00	874.27	843.32	331.95	271.14	289.11	+ 8	− 7
29	60.81	89.97	140.68	874.13	843.64	332.09	271.40	289.35	+10	− 3
30	61.16	89.84	140.33	874.00	843.99	332.22	271.62	289.60	+ 9	+ 2
31	−61.53	+89.70	+139.96	+873.86	−844.36	−332.36	−271.82	−289.86	+ 6	+ 7
Nov. 1	61.91	89.54	139.58	873.70	844.74	332.52	272.01	290.11	+ 2	+10
2	62.30	89.35	139.19	873.51	845.13	332.72	272.17	290.33	− 4	+10
3	62.66	89.13	138.82	873.29	845.49	332.94	272.35	290.54	− 8	+ 8
4	63.02	88.90	138.47	873.06	845.85	333.17	272.53	290.74	−11	+ 5
5	−63.35	+88.64	+138.13	+872.80	−846.18	−333.43	−272.73	−290.92	−12	0
6	63.66	88.38	137.82	872.54	846.49	333.69	272.94	291.10	−11	− 5
7	63.94	88.13	137.54	872.29	846.77	333.94	273.16	291.31	− 8	− 8
8	64.21	87.89	137.27	872.05	847.04	334.18	273.39	291.53	− 4	−10
9	64.48	87.67	137.00	871.83	847.31	334.40	273.62	291.79	0	− 9
10	−64.74	+87.46	+136.74	+871.62	−847.57	−334.61	−273.85	−292.07	+ 4	− 7
11	65.02	87.26	136.46	871.42	847.85	334.81	274.05	292.36	+ 6	− 4
12	65.31	87.06	136.17	871.22	848.14	335.01	274.23	292.66	+ 7	0
13	65.60	86.85	135.88	871.02	848.43	335.22	274.40	292.96	+ 7	+ 4
14	65.91	86.64	135.57	870.80	848.74	335.43	274.54	293.26	+ 5	+ 7
15	−66.21	+86.41	+135.28	+870.58	−849.03	−335.66	−274.68	−293.55	+ 4	+ 9
16	66.51	86.17	134.97	870.34	849.34	335.90	274.80	293.83	+ 1	+10
17	66.81	85.89	134.67	870.06	849.64	336.18	274.92	294.09	− 2	+ 8
18	67.11	85.61	134.37	869.78	849.94	336.46	275.03	294.35	− 5	+ 6
19	67.39	85.31	134.09	869.48	850.22	336.76	275.15	294.59	− 6	+ 2
20	−67.64	+84.99	+133.84	+869.16	−850.47	−337.08	−275.29	−294.83	− 5	− 3
21	67.88	84.68	133.60	868.85	850.71	337.39	275.43	295.08	− 3	− 7
22	68.10	84.38	133.38	868.54	850.93	337.70	275.57	295.35	0	−10
23	68.31	84.10	133.17	868.26	851.14	337.98	275.72	295.65	+ 4	−10
24	68.51	83.83	132.97	867.99	851.34	338.25	275.87	295.96	+ 8	− 9
25	−68.73	+83.59	+132.75	+867.75	−851.56	−338.50	−275.99	−296.30	+10	− 5
26	68.95	83.35	132.53	867.51	851.78	338.73	276.09	296.65	+11	0
27	−69.20	+83.11	+132.28	+867.28	−852.03	−338.97	−276.15	−297.00	+ 8	+ 5
Mittl. Ort	−38.″86	+79.″36	+162.″70	+863.″52	−821.″78	−342.″65	−269.″40	−309.″15		

Die Werte von x und y enthalten bereits die kurzperiodischen Mondglieder.

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Polnahe Sterne 1928

Scheinbare Koordinaten für 12ʰ Sternzeit Greenwich

Tag	BD +89° 1 Gr. 10ᵐ.56		BD +89° 3 Gr. 9ᵐ.06		BD +89° 37 Gr. 10ᵐ.06		CPD −89° 38 Gr. 9ᵐ.5		Kurzperiod. Mondgl.*)	
1928	x	y	x	y	x	y	x	y	in 0″.01	
Nov. 27	−69″.20	+83″.11	+132″.28	+867″.28	−852″.03	−338″.97	−276″.15	−297″.00	+ 8	+ 5
28	69.46	82.86	132.02	867.03	852.29	339.22	276.19	297.35	+ 4	+ 9
29	69.73	82.57	131.75	866.74	852.56	339.51	276.21	297.67	− 1	+10
30	69.99	82.26	131.49	866.43	852.82	339.82	276.23	297.98	− 6	+ 9
Dez. 1	70.24	81.93	131.24	866.10	853.07	340.15	276.25	298.26	−10	+ 6
2	−70.46	+81.59	+131.02	+865.76	−853.29	−340.50	−276.28	−298.54	−12	+ 2
3	70.65	81.23	130.83	865.40	853.48	340.86	276.33	298.81	−12	− 3
4	70.82	80.88	130.66	865.05	853.65	341.21	276.39	299.09	−10	− 7
5	70.96	80.55	130.51	864.72	853.80	341.54	276.47	299.39	− 6	− 9
6	71.10	80.23	130.37	864.41	853.94	341.86	276.54	299.71	− 2	− 9
7	−71.23	+79.92	+130.24	+864.10	−854.07	−342.16	−276.60	−300.04	+ 2	− 8
8	71.36	79.63	130.11	863.81	854.20	342.45	276.64	300.40	+ 5	− 5
9	71.50	79.34	129.97	863.52	854.34	342.75	276.67	300.75	+ 7	− 2
10	71.65	79.05	129.82	863.23	854.49	343.04	276.67	301.12	+ 7	+ 2
11	71.81	78.77	129.66	862.95	854.65	343.33	276.66	301.49	+ 6	+ 6
12	−71.97	+78.46	+129.50	+862.64	−854.81	−343.63	−276.63	−301.83	+ 4	+ 8
13	72.13	78.14	129.33	862.32	854.97	343.95	276.59	302.17	+ 1	+ 9
14	72.29	77.81	129.17	861.99	855.13	344.29	276.54	302.50	− 2	+ 9
15	72.44	77.46	129.03	861.64	855.28	344.64	276.49	302.81	− 4	+ 7
16	72.58	77.08	128.89	861.26	855.42	345.01	276.43	303.09	− 6	+ 3
17	−72.69	+76.71	+128.78	+860.89	−855.53	−345.39	−276.39	−303.38	− 6	− 1
18	72.78	76.33	128.68	860.51	855.62	345.77	276.35	303.65	− 5	− 6
19	72.84	75.96	128.62	860.14	855.68	346.14	276.33	303.95	− 1	− 9
20	72.89	75.61	128.57	859.79	855.73	346.49	276.30	304.27	+ 3	−10
21	72.93	75.27	128.53	859.45	855.77	346.83	276.27	304.59	+ 7	−10
22	−72.98	+74.95	+128.48	+859.14	−855.82	−347.14	−276.22	−304.95	+10	− 7
23	73.04	74.66	128.42	858.85	855.88	347.43	276.15	305.33	+11	− 2
24	73.12	74.37	128.34	858.56	855.96	347.73	276.05	305.70	+10	+ 3
25	73.21	74.08	128.25	858.27	856.05	348.02	275.93	306.07	+ 7	+ 8
26	73.32	73.76	128.14	857.95	856.15	348.34	275.78	306.41	+ 2	+10
27	−73.42	+73.42	+128.04	+857.61	−856.25	−348.68	−275.62	−306.73	− 3	+10
28	73.51	73.06	127.95	857.25	856.34	349.05	275.46	307.03	− 8	+ 8
29	73.58	72.68	127.88	856.87	856.41	349.43	275.31	307.31	−11	+ 4
30	73.62	72.29	127.84	856.48	856.45	349.82	275.17	307.58	−12	− 1
31	73.63	71.91	127.83	856.10	856.46	350.20	275.05	307.86	−11	− 5
32	−73.61	+71.54	+127.85	+855.73	−856.44	−350.58	−274.94	−308.14	− 8	− 8
Mittl. Ort	−38″.86	+79″.36	+162″.70	+863″.52	−821″.78	−342″.65	−269″.40	−309″.15		

Die Werte von x und y enthalten bereits die kurzperiodischen Mondglieder.

*) Die Vorzeichen gelten für die drei nördlichen Sterne, für den südlichen sind sie umzukehren.

Formeln

zur Reduktion auf den scheinbaren Ort

$$A = t - (0.34215 + 0.00031\,T)\sin\Omega + 0.00415\sin 2\Omega - 0.02526\sin 2L_\odot$$
$$+ 0.00251\sin M_\odot - 0.00099\sin(2L_\odot + M_\odot) + 0.00042\sin(2L_\odot - M_\odot)$$
$$+ 0.00025\sin(2L_\odot - \Omega)$$

$$A' = -0.00405\sin 2L_☾ + 0.00135\sin M_☾ - 0.00068\sin(2L_☾ - \Omega)$$
$$- 0.00052\sin(2L_☾ + M_☾) + 0.00030\sin(2L_☾ - 2L_\odot - M_☾)$$
$$+ 0.00023\sin(2L_☾ - M_☾) + 0.00012\sin(2L_☾ - 2L_\odot)$$

$$B = -(9''.210 + 0''.001\,T)\cos\Omega + 0''.090\cos 2\Omega - 0''.551\cos 2L_\odot$$
$$- 0''.022\cos(2L_\odot + M_\odot) + 0''.009\cos(2L_\odot - M_\odot)$$
$$+ 0''.007\cos(2L_\odot - \Omega)$$

$$B' = -0''.089\cos 2L_☾ - 0''.018\cos(2L_☾ - \Omega) - 0''.011\cos(2L_☾ + M_☾)$$
$$+ 0''.005\cos(2L_☾ - M_☾)$$

$$C = -20''.47\cos\odot\cos\varepsilon$$

$$D = -20''.47\sin\odot$$

$$E = -(0^s.0029 - 0^s.0004\,T)\sin\Omega$$

T Zeit seit 1900.0 in Einheiten von 100 tropischen Jahren

t Zeit seit Beginn des annus fictus in Bruchteilen des tropischen Jahres

$a = m + {}^1/_{15}\,n\sin\alpha\,\mathrm{tg}\,\delta$	$a' = n\cos\alpha$
$b = {}^1/_{15}\cos\alpha\,\mathrm{tg}\,\delta$	$b' = -\sin\alpha$
$c = {}^1/_{15}\cos\alpha\sec\delta$	$c' = \mathrm{tg}\,\varepsilon\cos\delta - \sin\alpha\sin\delta$
$d = {}^1/_{15}\sin\alpha\sec\delta$	$d' = \cos\alpha\sin\delta$

$$\alpha_{\text{app.}} = \alpha_{1928.0} + t\,\mu_\alpha + Aa + Bb + Cc + Dd + E + [A'a + B'b]$$
$$\delta_{\text{app.}} = \delta_{1928.0} + t\,\mu_\delta + Aa' + Bb' + Cc' + Dd' \qquad + [A'a' + B'b']$$

μ_α, μ_δ jährliche Eigenbewegung in Rektaszension, bez. Deklination

Setzt man

$f = mA + E$	$f' = mA'$	$i = C\,\mathrm{tg}\,\varepsilon$
$g\sin G = B$	$g'\sin G' = B'$	$h\sin H = C$
$g\cos G = nA$	$g'\cos G' = nA'$	$h\cos H = D,$

so wird:

$$\alpha_{\text{app.}} = \alpha_{1928.0} + t\,\mu_\alpha + f + {}^1/_{15}\,g\sin(G+\alpha)\,\mathrm{tg}\,\delta + {}^1/_{15}\,h\sin(H+\alpha)\sec\delta$$
$$+ [f' + {}^1/_{15}\,g'\sin(G'+\alpha)\,\mathrm{tg}\,\delta]$$

$$\delta_{\text{app.}} = \delta_{1928.0} + t\,\mu_\delta + g\cos(G+\alpha) + h\cos(H+\alpha)\sin\delta + i\cos\delta$$
$$+ [g'\cos(G'+\alpha)]$$

Reduktionsgrößen 1928

für 12^h Sternzeit Greenwich

Welt-Zeit	t	log A	log B	log C	log D	E
1928	s					s
Jan. 1.2	−0.0010	9.51186_n	0.18327_n	0.49443_n	1.30503	−0.0027
11.2	+0.0263	9.46037_n	0.23198_n	0.80223_n	1.28481	27
21.2	0.0536	9.40541_n	0.28758_n	0.97123_n	1.24912	27
31.1	0.0809	9.34788_n	0.34361_n	1.08199_n	1.19518	27
Febr. 10.1	0.1082	9.28863_n	0.39515_n	1.15881_n	1.11793	27
20.1	0.1355	9.22804_n	0.43870_n	1.21213_n	1.00732	−0.0026
März 1.1	0.1628	9.16557_n	0.47334_n	1.24736_n	0.84004	26
11.0	0.1901	9.09927_n	0.49790_n	1.26734_n	0.54108	26
21.0	0.2174	9.02506_n	0.51295_n	1.27367_n	8.73239_n	26
31.0	0.2447	8.93515_n	0.51891_n	1.26698_n	0.55169_n	26
April 10.0	0.2720	8.81465_n	0.51680_n	1.24711_n	0.84173_n	−0.0026
19.9	0.2993	8.62818_n	0.50840_n	1.21299_n	1.00475_n	26
29.9	0.3266	8.23603_n	0.49568_n	1.16233_n	1.11284_n	26
Mai 9.9	0.3539	8.03302	0.48101_n	1.09096_n	1.18862_n	26
19.8	0.3812	8.61836	0.46746_n	0.99083_n	1.24222_n	26
29.8	0.4085	8.87315	0.45788_n	0.84435_n	1.27875_n	−0.0026
Juni 8.8	0.4358	9.03997	0.45500_n	0.60217_n	1.30103_n	25
18.8	0.4632	9.16328	0.46000_n	9.95856_n	1.31061_n	25
28.7	0.4905	9.25983	0.47378_n	0.34301	1.30812_n	25
Juli 8.7	0.5178	9.33742	0.49485_n	0.72049	1.29343_n	25
18.7	0.5451	9.40081	0.52153_n	0.91174	1.26569_n	−0.0025
28.7	0.5724	9.45294	0.55108_n	1.03535	1.22303_n	25
Aug. 7.6	0.5997	9.49604	0.58081_n	1.12186	1.16191_n	25
17.6	0.6270	9.53184	0.60895_n	1.18384	1.07609_n	25
27.6	0.6543	9.56192	0.63317_n	1.22742	0.95270_n	25
Sept. 6.5	0.6816	9.58763	0.65263_n	1.25580	0.75997_n	−0.0024
16.5	0.7089	9.61034	0.66642_n	1.27080	0.37291_n	24
26.5	0.7362	9.63130	0.67431_n	1.27302	0.04912	24
Okt. 6.5	0.7635	9.65167	0.67605_n	1.26250	0.66162	24
16.4	0.7908	9.67236	0.67265_n	1.23827	0.89971	24
26.4	0.8181	9.69406	0.66483_n	1.19855	1.04419	−0.0024
Nov. 5.4	0.8454	9.71709	0.65408_n	1.13978	1.14264	23
15.4	0.8727	9.74145	0.64246_n	1.05565	1.21205	23
25.3	0.9000	9.76681	0.63225_n	0.93334	1.26031	23
Dez. 5.3	0.9273	9.79259	0.62593_n	0.74131	1.29155	23
15.3	0.9546	9.81813	0.62531_n	0.35526	1.30794	−0.0023
25.2	0.9819	9.84276	0.63155_n	0.02407_n	1.31042	23
35.2	1.0092	9.86585	0.64444_n	0.63839_n	1.29914	23

Tag		0h Welt-Zeit								
		St.-Zt. Grw.	t	f	log g	G	log h	H	log i	i
1928		h	s	s		h m		h m		s
Jan.	0	6.6	−0.0044	−1.016	0.8310	12 51.5	1.3104	23 29.4	0.0715_n	−1.179
	1	6.6	−0.0016	1.004	0.8264	12 52.5	1.3102	23 25.7	0.1216_n	1.323
	2	6.7	+0.0011	0.992	0.8219	12 53.6	1.3100	23 21.9	0.1661_n	1.466
	3	6.8	0.0038	0.981	0.8174	12 54.7	1.3098	23 18.1	0.2063_n	1.608
	4	6.8	0.0066	0.970	0.8129	12 55.9	1.3095	23 14.4	0.2428_n	1.749
	5	6.9	0.0093	0.958	0.8084	12 57.1	1.3093	23 10.6	0.2765_n	1.890
	6	7.0	0.0121	−0.947	0.8039	12 58.4	1.3090	23 6.8	0.3077_n	−2.031
	7	7.0	0.0148	0.936	0.7993	12 59.7	1.3087	23 3.1	0.3367_n	2.171
	8	7.1	0.0175	0.925	0.7948	13 1.0	1.3083	22 59.3	0.3636_n	2.310
	9	7.2	0.0203	0.914	0.7903	13 2.4	1.3080	22 55.5	0.3888_n	2.448
	10	7.2	0.0230	0.903	0.7858	13 3.9	1.3076	22 51.7	0.4126_n	2.586
	11	7.3	0.0258	0.892	0.7813	13 5.4	1.3072	22 47.9	0.4350_n	2.723
	12	7.4	0.0285	−0.881	0.7768	13 7.0	1.3068	22 44.1	0.4562_n	−2.859
	13	7.4	0.0312	0.870	0.7724	13 8.6	1.3064	22 40.2	0.4762_n	2.994
	14	7.5	0.0340	0.859	0.7679	13 10.2	1.3060	22 36.4	0.4954_n	3.129
	15	7.5	0.0367	0.849	0.7635	13 11.9	1.3055	22 32.6	0.5135_n	3.262
	16	7.6	0.0394	0.838	0.7591	13 13.6	1.3051	22 28.7	0.5307_n	3.394
	17	7.7	0.0422	0.827	0.7547	13 15.4	1.3046	22 24.9	0.5472_n	3.525
	18	7.7	0.0449	−0.817	0.7503	13 17.2	1.3041	22 21.0	0.5629_n	−3.655
	19	7.8	0.0477	0.807	0.7459	13 19.1	1.3036	22 17.2	0.5780_n	3.784
	20	7.9	0.0504	0.796	0.7416	13 21.0	1.3030	22 13.3	0.5924_n	3.912
	21	7.9	0.0531	0.786	0.7374	13 23.0	1.3025	22 9.4	0.6062_n	4.038
	22	8.0	0.0559	0.776	0.7333	13 25.0	1.3019	22 5.5	0.6194_n	4.163
	23	8.1	0.0586	0.766	0.7292	13 27.0	1.3014	22 1.6	0.6322_n	4.287
	24	8.1	0.0613	−0.756	0.7250	13 29.1	1.3008	21 57.7	0.6443_n	−4.409
	25	8.2	0.0641	0.746	0.7209	13 31.2	1.3002	21 53.8	0.6561_n	4.530
	26	8.3	0.0668	0.736	0.7168	13 33.4	1.2996	21 49.9	0.6674_n	4.649
	27	8.3	0.0696	0.726	0.7129	13 35.7	1.2990	21 45.9	0.6782_n	4.767
	28	8.4	0.0723	0.717	0.7091	13 37.9	1.2984	21 42.0	0.6887_n	4.883
	29	8.5	0.0750	0.707	0.7054	13 40.2	1.2978	21 38.0	0.6988_n	4.998
	30	8.5	0.0778	−0.698	0.7016	13 42.5	1.2971	21 34.1	0.7085_n	−5.111
	31	8.6	0.0805	0.689	0.6979	13 44.9	1.2965	21 30.1	0.7179_n	5.223
Febr.	1	8.7	0.0832	0.680	0.6943	13 47.2	1.2958	21 26.1	0.7270_n	5.333
	2	8.7	0.0860	0.670	0.6908	13 49.6	1.2952	21 22.1	0.7357_n	5.441
	3	8.8	0.0887	0.661	0.6874	13 52.1	1.2945	21 18.1	0.7441_n	5.548
	4	8.9	0.0915	0.652	0.6840	13 54.6	1.2939	21 14.1	0.7523_n	5.653
	5	8.9	0.0942	−0.644	0.6806	13 57.0	1.2932	21 10.0	0.7601_n	−5.756
	6	9.0	0.0969	0.635	0.6773	13 59.5	1.2926	21 6.0	0.7677_n	5.857
	7	9.1	0.0997	0.626	0.6742	14 2.0	1.2919	21 1.9	0.7750_n	5.956
	8	9.1	0.1024	0.618	0.6711	14 4.6	1.2912	20 57.9	0.7820_n	6.053
	9	9.2	0.1052	0.609	0.6680	14 7.1	1.2906	20 53.8	0.7887_n	6.148
	10	9.3	0.1079	−0.601	0.6650	14 9.7	1.2899	20 49.7	0.7953_n	−6.242

Tag	0h Welt-Zeit								
	f'	g'	G'	Allgemeine Präzession seit 1928.0	$\Delta\psi$	$\Delta\psi'$	Wahre Schiefe	$\Delta\varepsilon$	$\Delta\varepsilon'$
1928	in 0.s001	in 0."01				in 0."01	23° 26'		in 0."01
Jan. 0	− 2	+10	17.h5	−0."22	−16."38	− 3	56."75	+1."51	+10
1	− 8	10	16.0	−0.08	16.33	−13	56.76	1.52	+ 9
2	−12	10	14.4	+0.06	16.28	−20	56.74	1.54	+ 6
3	−14	9	12.5	0.19	16.23	−23	56.71	1.55	+ 1
4	−12	9	10.4	0.33	16.18	−20	56.68	1.57	− 3
5	− 7	9	8.2	0.47	16.14	−12	56.65	1.59	− 7
6	− 1	+ 9	6.2	+0.61	−16.09	− 1	56.65	+1.60	− 9
7	+ 6	10	4.4	0.74	16.04	+10	56.67	1.62	− 9
8	+12	11	2.8	0.88	16.00	+20	56.70	1.64	− 7
9	+16	11	1.3	1.02	15.96	+26	56.76	1.66	− 4
10	+16	11	23.8	1.16	15.91	+27	56.82	1.68	+ 1
11	+14	10	22.3	1.29	15.87	+23	56.88	1.70	+ 4
12	+10	+10	20.8	+1.43	−15.83	+16	56.93	+1.72	+ 7
13	+ 5	9	19.3	1.57	15.79	+ 7	56.96	1.74	+ 9
14	− 1	9	17.6	1.71	15.75	− 2	56.98	1.77	+ 9
15	− 7	8	15.9	1.84	15.71	−11	56.99	1.79	+ 7
16	−11	8	14.1	1.98	15.68	−17	56.98	1.81	+ 4
17	−13	8	12.3	2.12	15.64	−21	56.97	1.84	+ 1
18	−13	+ 9	10.7	+2.26	−15.61	−22	56.95	+1.86	− 3
19	−11	10	9.2	2.40	15.58	−18	56.94	1.88	− 6
20	− 7	10	7.8	2.53	15.55	−11	56.94	1.91	− 9
21	− 1	10	6.4	2.67	15.52	− 2	56.96	1.93	− 9
22	+ 4	9	4.8	2.81	15.49	+ 7	56.99	1.96	− 8
23	+ 9	8	2.9	2.95	15.46	+14	57.05	1.99	− 5
24	+11	+ 7	0.5	+3.08	−15.43	+18	57.12	+2.01	− 1
25	+10	7	22.1	3.22	15.41	+17	57.19	2.04	+ 4
26	+ 7	9	19.9	3.36	15.39	+11	57.25	2.07	+ 8
27	+ 1	10	18.3	3.50	15.37	+ 2	57.30	2.09	+10
28	− 5	10	16.7	3.63	15.35	− 9	57.33	2.12	+10
29	−10	10	15.1	3.77	15.33	−17	57.33	2.15	+ 7
30	−13	+ 9	13.3	+3.91	−15.31	−22	57.31	+2.17	+ 3
31	−13	8	11.1	4.05	15.30	−21	57.29	2.20	− 2
Febr. 1	− 9	8	8.9	4.18	15.29	−15	57.27	2.23	− 6
2	− 3	9	6.8	4.32	15.27	− 5	57.27	2.26	− 9
3	+ 4	10	5.0	4.46	15.26	+ 6	57.29	2.29	−10
4	+10	11	3.4	4.60	15.26	+17	57.33	2.31	− 8
5	+14	+11	1.8	+4.73	−15.25	+24	57.39	+2.34	− 5
6	+16	10	0.3	4.87	15.24	+26	57.46	2.37	− 1
7	+15	10	22.7	5.01	15.24	+24	57.53	2.40	+ 3
8	+11	10	21.2	5.15	15.24	+18	57.59	2.42	+ 6
9	+ 6	9	19.6	5.29	15.24	+10	57.63	2.45	+ 8
10	0	+ 9	18.0	+5.42	−15.24	0	57.66	+2.48	+ 9

Tag	0ʰ Welt-Zeit								
	St. Zt. Grw.	t	f	log g	G	log h	H	log i	i
1928	h	s	r		h m		h m		"
Febr. 10	9.3	0.1079	−0.601	0.6650	14 9.7	1.2899	20 49.7	0.7953_n	−6.242
11	9.3	0.1106	0.593	0.6621	14 12.3	1.2893	20 45.6	0.8017_n	6.334
12	9.4	0.1134	0.585	0.6594	14 14.9	1.2886	20 41.5	0.8077_n	6.423
13	9.5	0.1161	0.577	0.6568	14 17.6	1.2880	20 37.4	0.8136_n	6.510
14	9.5	0.1188	0.569	0.6542	14 20.2	1.2873	20 33.2	0.8192_n	6.595
15	9.6	0.1216	0.561	0.6516	14 22.8	1.2867	20 29.1	0.8247_n	6.679
16	9.6	0.1243	−0.553	0.6491	14 25.4	1.2860	20 24.9	0.8299_n	−6.760
17	9.7	0.1271	0.545	0.6467	14 28.1	1.2854	20 20.8	0.8350_n	6.839
18	9.8	0.1298	0.538	0.6444	14 30.7	1.2848	20 16.6	0.8399_n	6.916
19	9.8	0.1325	0.530	0.6421	14 33.3	1.2842	20 12.4	0.8445_n	6.991
20	9.9	0.1353	0.523	0.6399	14 35.9	1.2836	20 8.2	0.8490_n	7.063
21	10.0	0.1380	0.516	0.6378	14 38.5	1.2830	20 4.0	0.8533_n	7.133
22	10.0	0.1407	−0.508	0.6358	14 41.0	1.2824	19 59.8	0.8574_n	−7.201
23	10.1	0.1435	0.501	0.6338	14 43.6	1.2819	19 55.6	0.8614_n	7.267
24	10.2	0.1462	0.494	0.6318	14 46.2	1.2813	19 51.3	0.8652_n	7.331
25	10.2	0.1490	0.487	0.6299	14 48.8	1.2808	19 47.1	0.8688_n	7.392
26	10.3	0.1517	0.480	0.6281	14 51.3	1.2802	19 42.8	0.8722_n	7.451
27	10.4	0.1544	0.473	0.6263	14 53.9	1.2797	19 38.6	0.8755_n	7.507
28	10.4	0.1572	−0.467	0.6246	14 56.4	1.2792	19 34.3	0.8786_n	−7.561
29	10.5	0.1599	0.460	0.6229	14 58.9	1.2788	19 30.1	0.8816_n	7.613
März 1	10.6	0.1626	0.453	0.6212	15 1.4	1.2783	19 25.8	0.8844_n	7.663
2	10.6	0.1654	0.447	0.6195	15 3.8	1.2779	19 21.5	0.8871_n	7.711
3	10.7	0.1681	0.440	0.6179	15 6.3	1.2775	19 17.2	0.8896_n	7.756
4	10.8	0.1709	0.434	0.6164	15 8.7	1.2771	19 12.9	0.8920_n	7.798
5	10.8	0.1736	−0.427	0.6148	15 11.1	1.2767	19 8.6	0.8942_n	−7.838
6	10.9	0.1763	0.421	0.6132	15 13.5	1.2763	19 4.3	0.8963_n	7.875
7	11.0	0.1791	0.414	0.6116	15 15.9	1.2760	19 0.0	0.8982_n	7.910
8	11.0	0.1818	0.408	0.6100	15 18.3	1.2757	18 55.7	0.9000_n	7.943
9	11.1	0.1845	0.402	0.6085	15 20.6	1.2754	18 51.3	0.9016_n	7.973
10	11.2	0.1873	0.395	0.6070	15 22.9	1.2751	18 47.0	0.9031_n	8.001
11	11.2	0.1900	−0.389	0.6056	15 25.2	1.2749	18 42.7	0.9046_n	−8.027
12	11.3	0.1928	0.383	0.6041	15 27.5	1.2746	18 38.4	0.9058_n	8.050
13	11.4	0.1955	0.377	0.6027	15 29.7	1.2744	18 34.0	0.9069_n	8.070
14	11.4	0.1982	0.371	0.6012	15 32.0	1.2743	18 29.7	0.9078_n	8.088
15	11.5	0.2010	0.365	0.5997	15 34.3	1.2741	18 25.4	0.9087_n	8.104
16	11.6	0.2037	0.359	0.5981	15 36.5	1.2740	18 21.0	0.9094_n	8.117
17	11.6	0.2065	−0.353	0.5964	15 38.8	1.2739	18 16.7	0.9100_n	−8.128
18	11.7	0.2092	0.347	0.5948	15 41.0	1.2738	18 12.4	0.9104_n	8.136
19	11.8	0.2119	0.341	0.5932	15 43.2	1.2737	18 8.0	0.9107_n	8.142
20	11.8	0.2147	0.334	0.5915	15 45.4	1.2737	18 3.7	0.9109_n	8.145
21	11.9	0.2174	0.328	0.5898	15 47.6	1.2737	17 59.4	0.9109_n	8.146
22	11.9	0.2201	−0.322	0.5882	15 49.8	1.2737	17 55.0	0.9108_n	−8.144

Tag	0ʰ Welt-Zeit								
	f'	g'	G'	Allgemeine Präzession seit 1928.0	$\varDelta\psi$	$\varDelta\psi'$	Wahre Schiefe	$\varDelta\varepsilon$	$\varDelta\varepsilon'$
1928	in 0.ˢ001	in 0.″01				in 0.″01	23° 26′		in 0.″01
Febr. 10	0	+ 9	18.ʰ0	+ 5.″42	−15.″24	0	57.″66	+2.″48	+ 9
11	− 5	8	16.3	5.56	15.24	− 9	57.68	2.51	+ 8
12	−10	8	14.6	5.70	15.25	−16	57.68	2.53	+ 5
13	−13	9	12.8	5.84	15.25	−21	57.67	2.56	+ 2
14	−14	9	11.2	5.97	15.26	−22	57.66	2.59	− 2
15	−12	10	9.7	6.11	15.27	−20	57.65	2.62	− 5
16	− 9	+10	8.3	+ 6.25	−15.28	−14	57.65	+2.64	− 8
17	− 4	10	7.0	6.39	15.29	− 6	57.66	2.67	− 9
18	+ 2	9	5.5	6.52	15.31	+ 3	57.69	2.69	− 9
19	+ 7	8	3.7	6.66	15.32	+11	57.74	2.72	− 6
20	+10	7	1.3	6.80	15.34	+16	57.80	2.74	− 2
21	+10	7	22.8	6.94	15.36	+17	57.87	2.77	+ 2
22	+ 8	+ 8	20.6	+ 7.07	−15.38	+13	57.94	+2.79	+ 6
23	+ 3	10	18.8	7.21	15.40	+ 5	57.99	2.82	+ 9
24	− 3	10	17.3	7.35	15.42	− 5	58.02	2.84	+10
25	− 8	10	15.8	7.49	15.44	−14	58.02	2.86	+ 8
26	−12	9	14.1	7.62	15.46	−20	58.01	2.89	+ 5
27	−12	8	11.9	7.76	15.49	−20	57.98	2.91	0
28	−10	+ 8	9.5	+ 7.90	−15.52	−16	57.95	+2.93	− 5
29	− 4	9	7.2	8.04	15.54	− 7	57.94	2.95	− 8
März 1	+ 3	10	5.3	8.17	15.57	+ 4	57.94	2.97	−10
2	+ 9	11	3.7	8.31	15.60	+15	57.97	2.99	− 9
3	+14	11	2.3	8.45	15.63	+23	58.02	3.01	− 6
4	+16	11	0.7	8.59	15.66	+26	58.07	3.03	− 2
5	+16	+10	23.2	+ 8.73	−15.70	+26	58.13	+3.05	+ 2
6	+12	10	21.7	8.86	15.73	+20	58.18	3.07	+ 6
7	+ 8	10	20.1	9.00	15.76	+13	58.23	3.08	+ 8
8	+ 2	9	18.5	9.14	15.80	+ 3	58.25	3.10	+ 9
9	− 4	9	16.8	9.28	15.83	− 6	58.26	3.12	+ 8
10	− 9	8	15.1	9.41	15.87	−14	58.25	3.13	+ 6
11	−12	+ 8	13.3	+ 9.55	−15.90	−20	58.23	+3.15	+ 3
12	−14	9	11.7	9.69	15.94	−22	58.21	3.16	− 1
13	−13	10	10.1	9.83	15.98	−21	58.18	3.17	− 4
14	−10	10	8.8	9.96	16.02	−17	58.16	3.19	− 8
15	− 6	10	7.5	10.10	16.05	−10	58.16	3.20	− 9
16	0	9	6.2	10.24	16.09	− 1	58.17	3.21	− 9
17	+ 5	+ 8	4.5	+10.38	−16.13	+ 7	58.19	+3.22	− 7
18	+ 8	7	2.5	10.51	16.17	+14	58.23	3.23	− 4
19	+10	6	23.6	10.65	16.21	+16	58.29	3.24	+ 1
20	+ 8	7	21.1	10.79	16.25	+13	58.34	3.25	+ 5
21	+ 4	9	19.2	10.93	16.29	+ 7	58.39	3.26	+ 9
22	− 1	+10	17.6	+11.06	−16.33	− 2	58.41	+3.27	+10

Tag	0h Welt-Zeit								
	St.-Zt Grw.	*t*	*f*	log *g*	*G*	log *h*	*H*	log *i*	*i*
1928	h	s	"		h m		h m		"
März 22	11.9	0.2201	−0.322	0.5882	15 49.8	1.2737	17 55.0	0.9108$_n$	−8.144
23	12.0	0.2229	0.316	0.5865	15 52.0	1.2737	17 50.7	0.9106$_n$	8.140
24	12.1	0.2256	0.310	0.5847	15 54.2	1.2738	17 46.4	0.9103$_n$	8.134
25	12.1	0.2284	0.304	0.5829	15 56.4	1.2739	17 42.1	0.9098$_n$	8.125
26	12.2	0.2311	0.298	0.5810	15 58.5	1.2740	17 37.8	0.9092$_n$	8.113
27	12.3	0.2338	0.292	0.5792	16 0.7	1.2741	17 33.5	0.9084$_n$	8.099
28	12.3	0.2366	−0.286	0.5773	16 3.0	1.2743	17 29.2	0.9076$_n$	−8.083
29	12.4	0.2393	0.280	0.5753	16 5.2	1.2745	17 24.9	0.9066$_n$	8.065
30	12.5	0.2420	0.274	0.5733	16 7.4	1.2747	17 20.6	0.9055$_n$	8.044
31	12.5	0.2448	0.267	0.5712	16 9.7	1.2749	17 16.3	0.9042$_n$	8.021
April 1	12.6	0.2475	0.261	0.5692	16 11.9	1.2752	17 12.0	0.9028$_n$	7.995
2	12.7	0.2503	0.255	0.5671	16 14.2	1.2754	17 7.7	0.9013$_n$	7.967
3	12.7	0.2530	−0.248	0.5650	16 16.5	1.2757	17 3.5	0.8997$_n$	−7.937
4	12.8	0.2557	0.242	0.5628	16 18.8	1.2760	16 59.2	0.8978$_n$	7.904
5	12.9	0.2585	0.236	0.5605	16 21.1	1.2764	16 55.0	0.8959$_n$	7.869
6	12.9	0.2612	0.229	0.5582	16 23.5	1.2767	16 50.8	0.8938$_n$	7.831
7	13.0	0.2639	0.223	0.5559	16 25.9	1.2771	16 46.5	0.8916$_n$	7.791
8	13.1	0.2667	0.216	0.5535	16 28.3	1.2775	16 42.3	0.8893$_n$	7.750
9	13.1	0.2694	−0.210	0.5511	16 30.8	1.2779	16 38.1	0.8868$_n$	−7.706
10	13.2	0.2722	0.203	0.5486	16 33.3	1.2784	16 33.9	0.8842$_n$	7.660
11	13.3	0.2749	0.196	0.5462	16 35.9	1.2788	16 29.7	0.8814$_n$	7.611
12	13.3	0.2776	0.189	0.5437	16 38.5	1.2793	16 25.6	0.8785$_n$	7.560
13	13.4	0.2804	0.183	0.5411	16 41.1	1.2797	16 21.4	0.8755$_n$	7.507
14	13.5	0.2831	0.176	0.5385	16 43.8	1.2802	16 17.3	0.8723$_n$	7.452
15	13.5	0.2859	−0.169	0.5359	16 46.5	1.2807	16 13.1	0.8689$_n$	−7.395
16	13.6	0.2886	0.162	0.5334	16 49.3	1.2813	16 9.0	0.8655$_n$	7.336
17	13.7	0.2913	0.154	0.5308	16 52.1	1.2818	16 4.9	0.8618$_n$	7.275
18	13.7	0.2941	0.147	0.5281	16 55.0	1.2824	16 0.8	0.8580$_n$	7.211
19	13.8	0.2968	0.140	0.5255	16 58.0	1.2829	15 56.7	0.8540$_n$	7.145
20	13.9	0.2995	0.133	0.5228	17 1.0	1.2835	15 52.6	0.8498$_n$	7.077
21	13.9	0.3023	−0.125	0.5202	17 4.1	1.2840	15 48.6	0.8455$_n$	−7.007
22	14.0	0.3050	0.118	0.5176	17 7.2	1.2846	15 44.5	0.8411$_n$	6.936
23	14.1	0.3078	0.110	0.5150	17 10.4	1.2852	15 40.5	0.8365$_n$	6.863
24	14.1	0.3105	0.103	0.5124	17 13.7	1.2858	15 36.5	0.8317$_n$	6.787
25	14.2	0.3132	0.095	0.5099	17 17.1	1.2864	15 32.5	0.8267$_n$	6.709
26	14.2	0.3160	0.087	0.5075	17 20.6	1.2870	15 28.5	0.8214$_n$	6.629
27	14.3	0.3187	−0.079	0.5050	17 24.1	1.2877	15 24.5	0.8161$_n$	−6.548
28	14.4	0.3214	0.071	0.5026	17 27.7	1.2883	15 20.5	0.8106$_n$	6.465
29	14.4	0.3242	0.063	0.5002	17 31.4	1.2889	15 16.6	0.8048$_n$	6.380
30	14.5	0.3269	0.055	0.4980	17 35.2	1.2896	15 12.6	0.7989$_n$	6.294
Mai 1	14.6	0.3297	0.047	0.4959	17 39.1	1.2902	15 8.7	0.7928$_n$	6.206
2	14.6	0.3324	−0.038	0.4939	17 43.0	1.2908	15 4.8	0.7864$_n$	−6.115

Tag	0^h Welt-Zeit f'	g'	G'	Allgemeine Präzession seit 1928.0	$\Delta\psi$	$\Delta\psi'$	Wahre Schiefe	$\Delta\varepsilon$	$\Delta\varepsilon'$
1928	in 0.001 s	in 0.01"				in 0.01"	23° 26'		in 0.01"
März 22	− 1	+10	17.6 h	+11.06"	−16.33"	− 2	58.41"	+3.27"	+10
23	− 7	10	16.2	11.20	16.36	−12	58.40	3.27	+ 9
24	−11	9	14.7	11.34	16.40	−18	58.38	3.28	+ 6
25	−13	8	12.7	11.48	16.44	−21	58.34	3.28	+ 1
26	−11	8	10.3	11.61	16.48	−17	58.29	3.29	− 3
27	− 6	8	7.8	11.75	16.52	− 9	58.25	3.29	− 7.
28	+ 1	+10	5.8	+11.89	−16.55	+ 1	58.23	+3.30	−10
29	+ 8	11	4.2	12.03	16.59	+13	58.24	3.30	− 9
30	+13	11	2.6	12.17	16.63	+22	58.26	3.30	− 7
31	+17	11	1.2	12.30	16.67	+27	58.30	3.30	− 4
April 1	+17	11	23.7	12.44	16.70	+28	58.34	3.30	+ 1
2	+14	10	22.2	12.58	16.74	+24	58.38	3.30	+ 5
3	+10	+10	20.7	+12.72	−16.77	+16	58.41	+3.30	+ 8
4	+ 4	9	19.1	12.85	16.80	+ 6	58.42	3.30	+ 9
5	− 2	9	17.4	12.99	16.84	− 3	58.41	3.30	+ 9
6	− 7	8	15.7	13.13	16.87	−12	58.39	3.30	+ 7
7	−11	8	13.9	13.27	16.90	−18	58.36	3.30	+ 4
8	−13	9	12.1	13.40	16.93	−22	58.32	3.29	0
9	−13	+ 9	10.6	+13.54	−16.96	−22	58.27	+3.29	− 3
10	−11	10	9.1	13.68	16.99	−18	58.23	3.29	− 7
11	− 7	10	7.9	13.82	17.02	−12	58.21	3.28	− 9
12	− 2	10	6.6	13.95	17.04	− 4	58.20	3.28	− 9
13	+ 3	8	5.2	14.09	17.07	+ 4	58.20	3.27	− 8
14	+ 7	7	3.2	14.23	17.10	+11	58.23	3.27	− 5
15	+ 9	+ 6	0.4	+14.37	−17.12	+14	58.26	+3.26	− 1
16	+ 8	6	21.6	14.50	17.14	+13	58.30	3.25	+ 4
17	+ 5	8	19.4	14.64	17.16	+ 8	58.33	3.25	+ 8
18	− 1	10	17.8	14.78	17.18	− 1	58.35	3.24	+10
19	− 6	10	16.5	14.92	17.20	−10	58.33	3.23	+10
20	−11	10	15.0	15.06	17.22	−18	58.30	3.22	+ 7
21	−13	+ 9	13.3	+15.19	−17.24	−22	58.25	+3.21	+ 3
22	−12	8	11.1	15.33	17.25	−20	58.19	3.21	− 2
23	− 8	8	8.6	15.47	17.26	−13	58.13	3.20	− 6
24	− 1	9	6.4	15.61	17.28	− 2	58.09	3.19	− 9
25	+ 6	11	4.6	15.74	17.29	+10	58.08	3.18	−10
26	+12	12	3.0	15.88	17.30	+20	58.08	3.17	− 8
27	+17	+12	1.6	+16.02	−17.31	+28	58.10	+3.16	− 5
28	+18	12	0.2	16.16	17.31	+30	58.14	3.15	0
29	+16	11	22.8	16.29	17.32	+27	58.17	3.14	+ 4
30	+12	11	21.3	16.43	17.32	+20	58.19	3.13	+ 7
Mai 1	+ 7	10	19.7	16.57	17.32	+11	58.20	3.12	+ 9
2	0	+ 9	18.1	+16.71	−17.33	+ 1	58.19	+3.11	+ 9

Reduktionsgrößen 1928

Tag		0h Welt-Zeit								
		St.-Zt. Grw.	t	f	log g	G	log h	H	log i	i
1928										
Mai	2	14.6 h	0.3324 "	−0.038 s	0.4939	17 h 43.0 m	1.2908	15 h 4.8 m	0.7864$_n$	−6.115 "
	3	14.7	0.3351	0.030	0.4920	17 47.0	1.2914	15 0.9	0.7798$_n$	6.023
	4	14.8	0.3379	0.021	0.4901	17 51.0	1.2921	14 57.0	0.7730$_n$	5.929
	5	14.8	0.3406	0.013	0.4883	17 55.2	1.2927	14 53.1	0.7660$_n$	5.834
	6	14.9	0.3433	−0.004	0.4867	17 59.4	1.2934	14 49.3	0.7587$_n$	5.737
	7	15.0	0.3461	+0.005	0.4853	18 3.7	1.2940	14 45.4	0.7512$_n$	5.639
	8	15.0	0.3488	+0.014	0.4840	18 8.0	1.2946	14 41.6	0.7434$_n$	−5.539
	9	15.1	0.3516	0.023	0.4829	18 12.5	1.2952	14 37.8	0.7354$_n$	5.437
	10	15.2	0.3543	0.032	0.4820	18 16.9	1.2958	14 34.0	0.7271$_n$	5.334
	11	15.2	0.3570	0.041	0.4813	18 21.4	1.2965	14 30.2	0.7185$_n$	5.230
	12	15.3	0.3598	0.050	0.4807	18 26.0	1.2971	14 26.4	0.7096$_n$	5.124
	13	15.4	0.3625	0.059	0.4803	18 30.7	1.2977	14 22.6	0.7004$_n$	5.017
	14	15.4	0.3653	+0.069	0.4802	18 35.3	1.2983	14 18.8	0.6909$_n$	−4.908
	15	15.5	0.3680	0.078	0.4803	18 40.1	1.2988	14 15.1	0.6811$_n$	4.798
	16	15.6	0.3707	0.088	0.4807	18 44.8	1.2994	14 11.3	0.6709$_n$	4.687
	17	15.6	0.3735	0.097	0.4813	18 49.7	1.3000	14 7.6	0.6603$_n$	4.574
	18	15.7	0.3762	0.107	0.4822	18 54.5	1.3006	14 3.9	0.6492$_n$	4.459
	19	15.8	0.3789	0.117	0.4833	18 59.3	1.3011	14 0.2	0.6379$_n$	4.344
	20	15.8	0.3817	+0.126	0.4846	19 4.1	1.3016	13 56.5	0.6261$_n$	−4.228
	21	15.9	0.3844	0.136	0.4861	19 9.0	1.3022	13 52.8	0.6139$_n$	4.111
	22	16.0	0.3872	0.146	0.4879	19 13.8	1.3027	13 49.1	0.6013$_n$	3.993
	23	16.0	0.3899	0.156	0.4899	19 18.6	1.3032	13 45.5	0.5880$_n$	3.873
	24	16.1	0.3926	0.166	0.4922	19 23.3	1.3037	13 41.8	0.5743$_n$	3.752
	25	16.2	0.3954	0.177	0.4947	19 28.0	1.3042	13 38.2	0.5599$_n$	3.630
	26	16.2	0.3981	+0.187	0.4975	19 32.7	1.3046	13 34.5	0.5449$_n$	−3.507
	27	16.3	0.4008	0.197	0.5005	19 37.3	1.3051	13 30.9	0.5293$_n$	3.383
	28	16.4	0.4036	0.208	0.5038	19 42.0	1.3055	13 27.3	0.5131$_n$	3.259
	29	16.4	0.4063	0.218	0.5072	19 46.5	1.3060	13 23.7	0.4961$_n$	3.134
	30	16.5	0.4091	0.229	0.5108	19 51.0	1.3064	13 20.1	0.4783$_n$	3.008
	31	16.5	0.4118	0.239	0.5147	19 55.4	1.3068	13 16.5	0.4595$_n$	2.881
Juni	1	16.6	0.4145	+0.250	0.5188	19 59.8	1.3072	13 12.9	0.4398$_n$	−2.753
	2	16.7	0.4173	0.261	0.5231	20 4.0	1.3075	13 9.3	0.4190$_n$	2.624
	3	16.7	0.4200	0.271	0.5276	20 8.2	1.3079	13 5.8	0.3971$_n$	2.495
	4	16.8	0.4227	0.282	0.5322	20 12.3	1.3082	13 2.2	0.3738$_n$	2.365
	5	16.9	0.4255	0.293	0.5369	20 16.2	1.3085	12 58.7	0.3493$_n$	2.235
	6	16.9	0.4282	0.304	0.5418	20 20.1	1.3088	12 55.1	0.3230$_n$	2.104
	7	17.0	0.4310	+0.315	0.5469	20 23.9	1.3091	12 51.6	0.2949$_n$	−1.972
	8	17.1	0.4337	0.325	0.5521	20 27.7	1.3094	12 48.0	0.2648$_n$	1.840
	9	17.1	0.4364	0.336	0.5573	20 31.3	1.3096	12 44.5	0.2322$_n$	1.707
	10	17.2	0.4392	0.347	0.5626	20 34.8	1.3098	12 41.0	0.1970$_n$	1.574
	11	17.3	0.4419	0.358	0.5681	20 38.3	1.3100	12 37.4	0.1587$_n$	1.441
	12	17.3	0.4447	+0.370	0.5737	20 41.6	1.3102	12 33.9	0.1163$_n$	−1.307

Tag	0h Welt-Zeit								
	f'	g'	G'	Allgemeine Präzession seit 1928.0	$\Delta\psi$	$\Delta\psi'$	Wahre Schiefe	$\Delta\varepsilon$	$\Delta\varepsilon'$
1928	in 0.s001	in 0."01				in 0."01	23° 26'		in 0."01
Mai 2	0	+ 9	18.h1	+16."71	−17."33	+ 1	58."19	+3."11	+ 9
3	− 5	8	16.4	16.84	17.33	− 8	58.16	3.10	+ 7
4	− 9	8	14.5	16.98	17.32	−16	58.12	3.09	+ 5
5	−12	8	12.7	17.12	17.32	−20	58.08	3.08	+ 1
6	−13	9	11.0	17.26	17.32	−21	58.03	3.07	− 2
7	−11	10	9.5	17.39	17.31	−19	57.98	3.06	− 6
8	− 8	+10	8.1	+17.53	−17.30	−13	57.94	+3.05	− 8
9	− 3	10	6.9	17.67	17.29	− 5	57.92	3.04	− 9
10	+ 2	9	5.5	17.81	17.28	+ 3	57.92	3.03	− 9
11	+ 6	7	3.9	17.94	17.27	+10	57.93	3.02	− 6
12	+ 8	6	1.5	18.08	17.26	+14	57.96	3.01	− 2
13	+ 8	6	22.4	18.22	17.25	+14	57.99	3.00	+ 2
14	+ 6	+ 7	19.9	+18.36	−17.23	+ 9	58.02	+2.99	+ 7
15	0	10	18.1	18.50	17.21	+ 1	58.04	2.98	+10
16	− 6	11	16.7	18.63	17.19	− 9	58.04	2.97	+10
17	−11	11	15.3	18.77	17.18	−18	58.01	2.96	+ 8
18	−14	11	13.8	18.91	17.15	−24	57.96	2.95	+ 5
19	−14	9	11.9	19.05	17.13	−23	57.90	2.94	0
20	−11	+ 9	9.7	+19.18	−17.11	−18	57.85	+2.93	− 5
21	− 5	9	7.3	19.32	17.08	− 8	57.80	2.92	− 8
22	+ 3	10	5.3	19.46	17.06	+ 5	57.78	2.92	−10
23	+10	11	3.6	19.60	17.03	+17	57.78	2.91	− 9
24	+16	12	2.1	19.73	17.00	+26	57.80	2.90	− 6
25	+18	12	0.6	19.87	16.97	+30	57.83	2.90	− 2
26	+18	+12	23.2	+20.01	−16.94	+29	57.87	+2.89	+ 2
27	+14	11	21.8	20.15	16.91	+24	57.90	2.88	+ 6
28	+ 9	10	20.3	20.28	16.88	+15	57.92	2.88	+ 8
29	+ 3	9	18.8	20.42	16.85	+ 5	57.92	2.87	+ 9
30	− 3	8	17.1	20.56	16.81	− 5	57.90	2.87	+ 8
31	− 8	8	15.3	20.70	16.78	−13	57.87	2.86	+ 6
Juni 1	−11	+ 8	13.3	+20.83	−16.74	−18	57.84	+2.86	+ 3
2	−12	8	11.4	20.97	16.70	−20	57.79	2.86	− 1
3	−11	9	9.7	21.11	16.67	−19	57.75	2.86	− 5
4	− 8	9	8.3	21.25	16.63	−14	57.72	2.85	− 8
5	− 4	10	7.1	21.39	16.59	− 7	57.70	2.85	− 9
6	+ 1	9	5.7	21.52	16.55	+ 1	57.70	2.85	− 9
7	+ 5	+ 8	4.3	+21.66	−16.51	+ 9	57.72	+2.85	− 7
8	+ 9	7	2.2	21.80	16.46	+14	57.75	2.85	− 4
9	+ 9	6	23.5	21.94	16.42	+15	57.80	2.85	+ 1
10	+ 7	7	20.7	22.07	16.38	+12	57.84	2.85	+ 5
11	+ 2	9	18.7	22.21	16.34	+ 4	57.88	2.85	+ 9
12	− 4	+11	17.1	+22.35	−16.30	− 6	57.89	+2.85	+10

Reduktionsgrößen 1928

Tag	0h Welt-Zeit								
	St.-Zt. Grw.	t	f	log g	G	log h	H	log i	i
1928	h	s	s		h m		h m		″
Juni 12	17.3	0.4447	+0.370	0.5737	20 41.6	1.3102	12 33.9	0.1163$_n$	−1.307
13	17.4	0.4474	0.381	0.5793	20 44.8	1.3104	12 30.4	0.0689$_n$	1.172
14	17.5	0.4501	0.392	0.5851	20 47.9	1.3106	12 26.9	0.0158$_n$	1.037
15	17.5	0.4529	0.403	0.5910	20 50.9	1.3107	12 23.4	9.9552$_n$	0.902
16	17.6	0.4556	0.414	0.5969	20 53.9	1.3108	12 19.9	9.8848$_n$	0.767
17	17.7	0.4583	0.425	0.6028	20 56.7	1.3109	12 16.3	9.8007$_n$	0.632
18	17.7	0.4611	+0.436	0.6087	20 59.4	1.3110	12 12.8	9.6964$_n$	−0.497
19	17.8	0.4638	0.448	0.6147	21 2.0	1.3111	12 9.3	9.5587$_n$	0.362
20	17.9	0.4666	0.459	0.6207	21 4.5	1.3111	12 5.8	9.3541$_n$	0.226
21	17.9	0.4693	0.470	0.6267	21 7.0	1.3111	12 2.3	8.9542$_n$	−0.090
22	18.0	0.4720	0.481	0.6327	21 9.4	1.3111	11 58.8	8.6532	+0.045
23	18.1	0.4748	0.492	0.6387	21 11.7	1.3111	11 55.3	9.2577	0.181
24	18.1	0.4775	+0.503	0.6446	21 13.9	1.3111	11 51.8	9.5011	+0.317
25	18.2	0.4802	0.515	0.6506	21 16.0	1.3110	11 48.3	9.6551	0.452
26	18.3	0.4830	0.526	0.6566	21 18.0	1.3109	11 44.8	9.7686	0.587
27	18.3	0.4857	0.537	0.6625	21 19.9	1.3108	11 41.3	9.8585	0.722
28	18.4	0.4885	0.548	0.6684	21 21.8	1.3107	11 37.8	9.9330	0.857
29	18.5	0.4912	0.559	0.6743	21 23.6	1.3106	11 34.3	9.9965	0.992
30	18.5	0.4939	+0.570	0.6802	21 25.3	1.3105	11 30.8	0.0515	+1.126
Juli 1	18.6	0.4967	0.581	0.6860	21 26.9	1.3103	11 27.3	0.1004	1.260
2	18.7	0.4994	0.592	0.6918	21 28.5	1.3101	11 23.8	0.1443	1.394
3	18.7	0.5021	0.603	0.6976	21 30.0	1.3099	11 20.3	0.1838	1.527
4	18.8	0.5049	0.614	0.7033	21 31.4	1.3097	11 16.7	0.2201	1.660
5	18.8	0.5076	0.625	0.7090	21 32.8	1.3094	11 13.2	0.2533	1.792
6	18.9	0.5104	+0.636	0.7146	21 34.2	1.3092	11 9.7	0.2842	+1.924
7	19.0	0.5131	0.647	0.7202	21 35.4	1.3089	11 6.2	0.3130	2.056
8	19.0	0.5158	0.658	0.7257	21 36.6	1.3086	11 2.6	0.3398	2.187
9	19.1	0.5186	0.669	0.7312	21 37.8	1.3083	10 59.1	0.3649	2.317
10	19.2	0.5213	0.680	0.7366	21 38.9	1.3080	10 55.5	0.3886	2.447
11	19.2	0.5241	0.690	0.7419	21 39.9	1.3077	10 52.0	0.4109	2.576
12	19.3	0.5268	+0.701	0.7472	21 40.9	1.3073	10 48.4	0.4320	+2.704
13	19.4	0.5295	0.712	0.7524	21 41.9	1.3069	10 44.9	0.4519	2.831
14	19.4	0.5323	0.722	0.7575	21 42.8	1.3065	10 41.3	0.4710	2.958
15	19.5	0.5350	0.733	0.7626	21 43.7	1.3061	10 37.7	0.4891	3.084
16	19.6	0.5377	0.743	0.7677	21 44.5	1.3057	10 34.1	0.5064	3.209
17	19.6	0.5405	0.753	0.7728	21 45.3	1.3053	10 30.5	0.5228	3.333
18	19.7	0.5432	+0.764	0.7778	21 46.0	1.3048	10 26.9	0.5386	+3.456
19	19.8	0.5460	0.774	0.7827	21 46.7	1.3044	10 23.3	0.5538	3.579
20	19.8	0.5487	0.784	0.7875	21 47.4	1.3039	10 19.7	0.5683	3.701
21	19.9	0.5514	0.794	0.7923	21 48.0	1.3034	10 16.1	0.5822	3.821
22	20.0	0.5542	0.804	0.7970	21 48.6	1.3029	10 12.5	0.5955	3.940
23	20.0	0.5569	+0.814	0.8016	21 49.2	1.3024	10 8.8	0.6084	+4.059

Tag	0h Welt-Zeit								
	f'	g'	G'	Allgemeine Präzession seit 1928.0	$\Delta\psi$	$\Delta\psi'$	Wahre Schiefe	$\Delta\varepsilon$	$\Delta\varepsilon'$
1928	in $0.^s001$	in $0.''01$				in $0.''01$	23° 26′		in $0.''01$
Juni 12	− 4	+11	$17.^h1$	$+22.''35$	$-16.''30$	− 6	$57.''89$	$+2.''85$	+10
13	−10	11	15.7	22.49	16.25	−16	57.88	2.86	+ 9
14	−14	11	14.2	22.62	16.21	−23	57.85	2.86	+ 6
15	−16	10	12.5	22.76	16.16	−20	57.81	2.86	+ 1
16	−14	10	10.6	22.90	16.12	−22	57.76	2.87	− 3
17	− 8	9	8.4	23.04	16.07	−14	57.73	2.87	− 7
18	− 1	+10	6.2	+23.17	−16.03	− 2	57.71	+2.88	−10
19	+ 7	11	4.4	23.31	15.98	+11	57.72	2.89	−10
20	+13	11	2.7	23.45	15.94	+21	57.74	2.89	− 7
21	+17	12	1.1	23.59	15.89	+28	57.79	2.90	− 3
22	+18	12	23.6	23.72	15.85	+29	57.84	2.91	+ 1
23	+15	11	22.2	23.86	15.80	+25	57.89	2.92	+ 5
24	+11	+11	20.8	+24.00	−15.75	+18	57.92	+2.92	+ 8
25	+ 5	10	19.3	24.14	15.71	+ 8	57.95	2.93	+ 9
26	− 1	9	17.7	24.27	15.66	− 1	57.95	2.95	+ 9
27	− 6	8	15.9	24.41	15.62	−10	57.94	2.96	+ 7
28	−10	7	13.9	24.55	15.58	−16	57.92	2.97	+ 4
29	−12	8	11.9	24.69	15.53	−19	57.89	2.98	0
30	−11	+ 8	10.2	+24.83	−15.49	−19	57.87	+2.99	− 4
Juli 1	− 9	9	8.7	24.96	15.44	−15	57.85	3.00	− 7
2	− 5	10	7.3	25.10	15.40	− 8	57.84	3.02	− 9
3	0	9	6.0	25.24	15.36	0	57.85	3.03	− 9
4	+ 5	9	4.6	25.38	15.32	+ 8	57.87	3.05	− 8
5	+ 9	8	2.8	25.51	15.27	+14	57.92	3.06	− 5
6	+10	+ 7	0.3	+25.65	−15.23	+17	57.98	+3.08	− 1
7	+ 9	7	21.7	25.79	15.19	+14	58.04	3.10	+ 4
8	+ 5	9	19.5	25.93	15.15	+ 8	58.09	3.11	+ 8
9	− 1	10	17.8	26.06	15.11	− 2	58.13	3.13	+10
10	− 7	11	16.2	26.20	15.08	−12	58.15	3.15	+10
11	−13	11	14.8	26.34	15.04	−21	58.14	3.17	+ 7
12	−16	+11	13.1	+26.48	−15.00	−26	58.11	+3.19	+ 3
13	−15	10	11.2	26.61	14.97	−25	58.08	3.20	− 2
14	−11	10	9.2	26.75	14.93	−18	58.05	3.22	− 7
15	− 4	10	7.1	26.89	14.90	− 7	58.04	3.24	− 9
16	+ 3	10	5.2	27.03	14.86	+ 5	58.06	3.26	−10
17	+10	11	3.4	27.16	14.83	+17	58.09	3.29	− 8
18	+15	+11	1.7	+27.30	−14.80	+25	58.15	+3.31	− 5
19	+17	11	0.1	27.44	14.77	+28	58.21	3.33	0
20	+16	11	22.6	27.58	14.74	+26	58.28	3.35	+ 4
21	+12	11	21.1	27.72	14.71	+20	58.33	3.37	+ 7
22	+ 7	10	19.7	27.85	14.69	+11	58.37	3.40	+ 9
23	+ 1	+ 9	18.2	+27.99	−14.66	+ 1	58.39	+3.42	+ 9

Tag		0h Welt-Zeit								
		St.-Zt. Grw.	t	f	log g	G	log h	H	log i	i
1928										
Juli	23	h 20.0	s 0.5569	s +0.814	0.8016	h m 21 49.2	1.3024	h m 10 8.8	0.6084	" +4.059
	24	20.1	0.5596	0.824	0.8061	21 49.8	1.3019	10 5.2	0.6208	4.176
	25	20.2	0.5624	0.834	0.8106	21 50.3	1.3014	10 1.5	0.6327	4.292
	26	20.2	0.5651	0.844	0.8151	21 50.8	1.3008	9 57.8	0.6440	4.406
	27	20.3	0.5679	0.854	0.8195	21 51.2	1.3003	9 54.1	0.6550	4.519
	28	20.4	0.5706	0.863	0.8238	21 51.6	1.2997	9 50.4	0.6658	4.632
	29	20.4	0.5733	+0.873	0.8281	21 52.0	1.2991	9 46.7	0.6761	+4.743
	30	20.5	0.5761	0.882	0.8323	21 52.4	1.2986	9 43.0	0.6860	4.853
	31	20.6	0.5788	0.891	0.8365	21 52.8	1.2980	9 39.3	0.6957	4.962
Aug.	1	20.6	0.5815	0.901	0.8406	21 53.1	1.2974	9 35.6	0.7049	5.069
	2	20.7	0.5843	0.910	0.8446	21 53.5	1.2968	9 31.8	0.7139	5.175
	3	20.8	0.5870	0.919	0.8485	21 53.8	1.2962	9 28.1	0.7226	5.279
	4	20.8	0.5898	+0.928	0.8524	21 54.1	1.2956	9 24.3	0.7309	+5.382
	5	20.9	0.5925	0.937	0.8562	21 54.4	1.2950	9 20.5	0.7390	5.483
	6	21.0	0.5952	0.946	0.8600	21 54.7	1.2943	9 16.7	0.7469	5.583
	7	21.0	0.5980	0.955	0.8638	21 54.9	1.2937	9 12.9	0.7545	5.682
	8	21.1	0.6007	0.963	0.8675	21 55.1	1.2931	9 9.1	0.7619	5.779
	9	21.1	0.6035	0.972	0.8710	21 55.3	1.2924	9 5.3	0.7689	5.874
	10	21.2	0.6062	+0.981	0.8745	21 55.5	1.2918	9 1.4	0.7758	+5.968
	11	21.3	0.6089	0.989	0.8780	21 55.7	1.2912	8 57.6	0.7825	6.060
	12	21.3	0.6117	0.997	0.8815	21 55.9	1.2906	8 53.7	0.7889	6.150
	13	21.4	0.6144	1.006	0.8849	21 56.1	1.2899	8 49.8	0.7951	6.239
	14	21.5	0.6171	1.014	0.8882	21 56.3	1.2893	8 45.9	0.8011	6.326
	15	21.5	0.6199	1.022	0.8915	21 56.5	1.2887	8 42.0	0.8069	6.411
	16	21.6	0.6226	+1.030	0.8947	21 56.6	1.2881	8 38.1	0.8125	+6.494
	17	21.7	0.6254	1.038	0.8979	21 56.8	1.2875	8 34.2	0.8180	6.576
	18	21.7	0.6281	1.046	0.9010	21 56.9	1.2869	8 30.2	0.8232	6.656
	19	21.8	0.6308	1.054	0.9040	21 57.1	1.2863	8 26.3	0.8283	6.734
	20	21.9	0.6336	1.062	0.9070	21 57.2	1.2857	8 22.3	0.8331	6.810
	21	21.9	0.6363	1.069	0.9100	21 57.4	1.2851	8 18.4	0.8378	6.884
	22	22.0	0.6390	+1.077	0.9130	21 57.5	1.2845	8 14.4	0.8424	+6.956
	23	22.1	0.6418	1.084	0.9159	21 57.6	1.2839	8 10.4	0.8467	7.026
	24	22.1	0.6445	1.092	0.9187	21 57.8	1.2833	8 6.3	0.8510	7.095
	25	22.2	0.6473	1.099	0.9215	21 57.9	1.2828	8 2.3	0.8550	7.162
	26	22.3	0.6500	1.107	0.9242	21 58.0	1.2822	7 58.3	0.8589	7.226
	27	22.3	0.6527	1.114	0.9269	21 58.1	1.2817	7 54.2	0.8626	7.288
	28	22.4	0.6555	+1.121	0.9295	21 58.2	1.2812	7 50.2	0.8662	+7.348
	29	22.5	0.6582	1.128	0.9321	21 58.4	1.2807	7 46.1	0.8695	7.405
	30	22.5	0.6609	1.135	0.9346	21 58.5	1.2802	7 42.0	0.8728	7.461
	31	22.6	0.6637	1.142	0.9371	21 58.6	1.2797	7 37.9	0.8760	7.516
Sept.	1	22.7	0.6664	1.149	0.9396	21 58.8	1.2792	7 33.8	0.8790	7.569
	2	22.7	0.6692	+1.156	0.9420	21 58.9	1.2787	7 29.7	0.8819	+7.619

Tag	0ʰ Welt-Zeit								
	f'	g'	G'	Allgemeine Präzession seit 1928.0	$\Delta\psi$	$\Delta\psi'$	Wahre Schiefe	$\Delta\varepsilon$	$\Delta\varepsilon'$
1928	in 0.ˢ001	in 0.″01				in 0.″01	23° 26′		in 0.″01
Juli 23	+ 1	+ 9	18.ʰ2	+27.″99	−14.″66	+ 1	58.″39	+3.″42	+ 9
24	− 5	8	16.5	28.13	14.64	− 8	58.40	3.44	+ 7
25	− 9	7	14.5	28.27	14.61	−15	58.39	3.47	+ 4
26	−11	7	12.4	28.40	14.59	−19	58.38	3.49	+ 1
27	−12	8	10.7	28.54	14.57	−19	58.37	3.52	− 3
28	−10	9	9.0	28.68	14.55	−16	58.35	3.54	− 6
29	− 6	+ 9	7.7	+28.82	−14.53	−10	58.35	+3.57	− 9
30	− 1	9	6.4	28.95	14.51	− 2	58.37	3.59	− 9
31	+ 4	9	5.0	29.09	14.50	+ 6	58.40	3.62	− 9
Aug. 1	+ 8	8	3.3	29.23	14.48	+13	58.45	3.64	− 6
2	+10	7	1.1	29.37	14.47	+17	58.52	3.67	− 2
3	+10	7	22.5	29.50	14.46	+17	58.59	3.69	+ 3
4	+ 7	+ 8	20.3	+29.64	−14.45	+12	58.65	+3.72	+ 7
5	+ 2	10	18.5	29.78	14.44	+ 3	58.70	3.74	+10
6	− 5	11	16.9	29.92	14.43	− 7	58.74	3.77	+10
7	−10	11	15.4	30.05	14.42	−17	58.74	3.79	+ 8
8	−14	10	13.8	30.19	14.42	−24	58.73	3.82	+ 5
9	−15	10	11.9	30.33	14.42	−25	58.70	3.84	0
10	−12	+10	9.8	+30.47	−14.41	−20	58.68	+3.87	− 5
11	− 7	10	7.7	30.60	14.41	−11	58.67	3.90	− 9
12	+ 1	10	5.8	30.74	14.41	+ 1	58.68	3.92	−10
13	+ 8	10	4.1	30.88	14.41	+13	58.71	3.95	− 9
14	+13	11	2.3	31.02	14.42	+22	58.77	3.97	− 6
15	+16	11	0.7	31.16	14.42	+27	58.83	4.00	− 2
16	+16	+11	23.0	+31.29	−14.43	+26	58.90	+4.02	+ 3
17	+13	10	21.5	31.43	14.43	+21	58.96	4.05	+ 6
18	+ 8	10	20.0	31.57	14.44	+13	59.01	4.07	+ 9
19	+ 2	9	18.5	31.71	14.45	+ 3	59.04	4.10	+ 9
20	− 4	8	16.9	31.84	14.46	− 6	59.05	4.12	+ 8
21	− 8	8	15.1	31.98	14.48	−13	59.05	4.15	+ 5
22	−11	+ 7	13.0	+32.12	−14.49	−18	59.03	+4.17	+ 2
23	−12	8	11.1	32.26	14.50	−20	59.02	4.19	− 2
24	−11	9	9.5	32.39	14.52	−17	59.01	4.22	− 5
25	− 8	9	8.2	32.53	14.54	−13	59.00	4.24	− 8
26	− 3	9	6.8	32.67	14.56	− 5	59.01	4.26	− 9
27	+ 2	9	5.5	32.81	14.58	+ 3	59.03	4.28	− 9
28	+ 6	+ 8	4.0	+32.94	−14.60	+10	59.07	+4.31	− 7
29	+10	7	1.9	33.08	14.62	+16	59.13	4.33	− 3
30	+10	7	23.3	33.22	14.64	+17	59.20	4.35	+ 1
31	+ 8	8	21.0	33.36	14.66	+14	59.26	4.37	+ 5
Sept. 1	+ 4	9	19.1	33.49	14.69	+ 7	59.31	4.39	+ 9
2	− 2	+10	17.5	+33.63	−14.71	− 3	59.34	+4.41	+10

Reduktionsgrößen 1928

Tag	0h Welt-Zeit								
	St.-Zt. Grw.	t	f	log g	G	log h	H	log i	i
1928	h	s	s		h m		h m		s
Sept. 2	22.7	0.6692	+1.156	0.9420	21 58.9	1.2787	7 29.7	0.8819	+7.619
3	22.8	0.6719	1.162	0.9444	21 59.1	1.2783	7 25.5	0.8846	7.666
4	22.9	0.6746	1.169	0.9467	21 59.2	1.2779	7 21.4	0.8871	7.711
5	22.9	0.6774	1.176	0.9490	21 59.4	1.2775	7 17.2	0.8896	7.755
6	23.0	0.6801	1.183	0.9513	21 59.5	1.2771	7 13.1	0.8919	7.796
7	23.1	0.6828	1.189	0.9535	21 59.7	1.2767	7 8.9	0.8940	7.835
8	23.1	0.6856	+1.196	0.9557	21 59.9	1.2764	7 4.7	0.8960	+7.871
9	23.2	0.6883	1.202	0.9578	22 0.1	1.2760	7 0.5	0.8979	7.905
10	23.3	0.6911	1.209	0.9599	22 0.3	1.2757	6 56.3	0.8997	7.938
11	23.3	0.6938	1.215	0.9620	22 0.5	1.2754	6 52.1	0.9013	7.968
12	23.4	0.6965	1.222	0.9641	22 0.7	1.2752	6 47.9	0.9029	7.996
13	23.4	0.6993	1.228	0.9661	22 0.9	1.2749	6 43.7	0.9042	8.021
14	23.5	0.7020	+1.234	0.9681	22 1.1	1.2747	6 39.5	0.9055	+8.044
15	23.6	0.7048	1.241	0.9701	22 1.3	1.2745	6 35.3	0.9066	8.065
16	23.6	0.7075	1.247	0.9720	22 1.5	1.2743	6 31.0	0.9076	8.083
17	23.7	0.7102	1.253	0.9739	22 1.8	1.2741	6 26.8	0.9084	8.099
18	23.8	0.7130	1.259	0.9758	22 2.0	1.2740	6 22.5	0.9091	8.112
19	23.8	0.7157	1.266	0.9776	22 2.3	1.2739	6 18.3	0.9097	8.123
20	23.9	0.7184	+1.272	0.9794	22 2.6	1.2738	6 14.0	0.9102	+8.132
21	0.0	0.7212	1.278	0.9812	22 2.9	1.2737	6 9.7	0.9106	8.139
22	0.0	0.7239	1.284	0.9830	22 3.2	1.2737	6 5.5	0.9108	8.143
23	0.1	0.7267	1.290	0.9848	22 3.5	1.2737	6 1.2	0.9109	8.145
24	0.2	0.7294	1.297	0.9866	22 3.8	1.2737	5 56.9	0.9109	8.145
25	0.2	0.7321	1.303	0.9883	22 4.1	1.2737	5 52.7	0.9107	8.142
26	0.3	0.7349	+1.309	0.9900	22 4.5	1.2738	5 48.4	0.9104	+8.136
27	0.4	0.7376	1.315	0.9917	22 4.8	1.2738	5 44.1	0.9100	8.128
28	0.4	0.7403	1.322	0.9933	22 5.2	1.2739	5 39.8	0.9094	8.118
29	0.5	0.7431	1.328	0.9950	22 5.5	1.2741	5 35.6	0.9088	8.106
30	0.6	0.7458	1.334	0.9966	22 5.9	1.2742	5 31.3	0.9080	8.091
Okt. 1	0.6	0.7486	1.340	0.9983	22 6.3	1.2744	5 27.0	0.9071	8.074
2	0.7	0.7513	+1.347	0.9999	22 6.7	1.2746	5 22.7	0.9060	+8.054
3	0.8	0.7540	1.353	1.0015	22 7.1	1.2748	5 18.5	0.9048	8.032
4	0.8	0.7568	1.359	1.0031	22 7.6	1.2750	5 14.2	0.9035	8.008
5	0.9	0.7595	1.366	1.0047	22 8.0	1.2753	5 9.9	0.9021	7.981
6	1.0	0.7622	1.372	1.0063	22 8.5	1.2756	5 5.7	0.9005	7.952
7	1.0	0.7650	1.379	1.0079	22 8.9	1.2759	5 1.4	0.8988	7.921
8	1.1	0.7677	+1.385	1.0095	22 9.4	1.2762	4 57.1	0.8969	+7.887
9	1.2	0.7705	1.392	1.0110	22 9.9	1.2766	4 52.9	0.8949	7.851
10	1.2	0.7732	1.398	1.0126	22 10.4	1.2769	4 48.6	0.8928	7.812
11	1.3	0.7759	1.405	1.0141	22 10.9	1.2773	4 44.4	0.8905	7.771
12	1.4	0.7787	1.412	1.0157	22 11.4	1.2777	4 40.2	0.8881	7.728
13	1.4	0.7814	+1.419	1.0172	22 12.0	1.2781	4 35.9	0.8855	+7.682

Tag	0^h Welt-Zeit								
	f'	g'	G'	Allgemeine Präzession seit 1928.0	$\Delta\psi$	$\Delta\psi'$	Wahre Schiefe	$\Delta\varepsilon$	$\Delta\varepsilon'$
1928	″ in 0.001	″ in 0.01				″ in 0.01	23° 26′		″ in 0.01
Sept. 2	− 2	+10	ʰ 17.5	″ +33.63	″ −14.71	− 3	″ 59.34	″ +4.41	+10
3	− 8	11	16.0	33.77	14.74	−13	59.35	4.43	+ 9
4	−13	10	14.4	33.91	14.77	−21	59.34	4.45	+ 6
5	−14	10	12.6	34.04	14.80	−24	59.31	4.47	+ 1
6	−13	9	10.5	34.18	14.83	−21	59.27	4.48	− 4
7	− 8	9	8.3	34.32	14.86	−13	59.25	4.50	− 8
8	− 1	+10	6.3	+34.46	−14.89	− 2	59.24	+4.52	−10
9	+ 6	11	4.4	34.60	14.92	+10	59.26	4.53	−10
10	+12	11	2.8	34.73	14.95	+20	59.30	4.55	− 7
11	+16	11	1.2	34.87	14.98	+26	59.35	4.56	− 3
12	+16	11	23.5	35.01	15.01	+27	59.41	4.58	+ 1
13	+14	11	22.0	35.15	15.05	+23	59.46	4.59	+ 5
14	+ 9	+10	20.4	+35.28	−15.08	+15	59.50	+4.61	+ 8
15	+ 3	10	18.9	35.42	15.12	+ 6	59.53	4.62	+ 9
16	− 2	9	17.3	35.56	15.15	− 4	59.53	4.63	+ 9
17	− 7	8	15.5	35.70	15.19	−12	59.52	4.64	+ 6
18	−11	8	13.5	35.83	15.22	−17	59.50	4.66	+ 3
19	−12	8	11.7	35.97	15.26	−20	59.47	4.67	− 1
20	−11	+ 9	10.0	+36.11	−15.29	−19	59.44	+4.68	− 4
21	− 9	9	8.6	36.25	15.33	−15	59.42	4.68	− 7
22	− 5	10	7.3	36.38	15.37	− 8	59.41	4.69	− 9
23	0	9	6.0	36.52	15.40	0	59.41	4.70	− 9
24	+ 5	8	4.6	36.66	15.44	+ 7	59.43	4.71	− 8
25	+ 8	7	2.7	36.80	15.48	+13	59.47	4.71	− 5
26	+10	+ 6	0.1	+36.93	−15.51	+16	59.52	+4.72	0
27	+ 9	7	21.5	37.07	15.55	+14	59.57	4.73	+ 4
28	+ 5	9	19.5	37.21	15.58	+ 8	59.61	4.73	+ 8
29	− 1	10	17.9	37.35	15.62	− 1	59.63	4.73	+10
30	− 7	11	16.4	37.49	15.66	−11	59.63	4.74	+10
Okt. 1	−12	11	15.0	37.62	15.69	−19	59.61	4.74	+ 7
2	−14	+10	13.3	+37.76	−15.73	−23	59.57	+4.74	+ 3
3	−13	9	11.1	37.90	15.76	−22	59.52	4.74	− 2
4	− 9	9	8.8	38.04	15.79	−15	59.47	4.74	− 7
5	− 3	10	6.7	38.17	15.82	− 5	59.44	4.74	−10
6	+ 5	11	4.9	38.31	15.86	+ 8	59.43	4.74	−10
7	+12	11	3.2	38.45	15.89	+19	59.44	4.74	− 8
8	+16	+12	1.7	+38.59	−15.92	+26	59.48	+4.74	− 5
9	+17	11	0.1	38.72	15.95	+29	59.52	4.74	0
10	+16	11	22.5	38.86	15.98	+26	59.56	4.74	+ 4
11	+12	11	20.9	39.00	16.01	+19	59.59	4.73	+ 8
12	+ 6	10	19.4	39.14	16.04	+ 9	59.60	4.73	+ 9
13	0	+ 9	17.9	+39.27	−16.06	− 1	59.59	+4.72	+ 9

Tag	0h Welt-Zeit								
	St.-Zt. Grw.	t	f	log g	G	log h	H	log i	i
1928									
	h	s	s		h m		h m		s
Okt. 13	1.4	0.7814	+1.419	1.0172	22 12.0	1.2781	4 35.9	0.8855	+7.682
14	1.5	0.7842	1.426	1.0188	22 12.5	1.2786	4 31.7	0.8828	7.634
15	1.6	0.7869	1.433	1.0204	22 13.1	1.2790	4 27.5	0.8799	7.584
16	1.6	0.7896	1.440	1.0220	22 13.6	1.2795	4 23.3	0.8769	7.531
17	1.7	0.7924	1.447	1.0235	22 14.2	1.2800	4 19.1	0.8737	7.476
18	1.7	0.7951	1.454	1.0251	22 14.8	1.2805	4 14.9	0.8703	7.419
19	1.8	0.7978	+1.461	1.0267	22 15.4	1.2810	4 10.7	0.8669	+7.360
20	1.9	0.8006	1.468	1.0283	22 16.0	1.2816	4 6.5	0.8632	7.298
21	1.9	0.8033	1.475	1.0299	22 16.6	1.2821	4 2.3	0.8594	7.234
22	2.0	0.8061	1.483	1.0315	22 17.2	1.2827	3 58.1	0.8554	7.168
23	2.1	0.8088	1.490	1.0332	22 17.8	1.2833	3 54.0	0.8513	7.100
24	2.1	0.8115	1.498	1.0348	22 18.4	1.2839	3 49.8	0.8470	7.030
25	2.2	0.8143	+1.506	1.0365	22 19.1	1.2845	3 45.7	0.8424	+6.957
26	2.3	0.8170	1.513	1.0381	22 19.7	1.2851	3 41.5	0.8377	6.882
27	2.3	0.8197	1.521	1.0398	22 20.4	1.2857	3 37.4	0.8328	6.805
28	2.4	0.8225	1.529	1.0415	22 21.0	1.2863	3 33.3	0.8278	6.726
29	2.5	0.8252	1.537	1.0432	22 21.7	1.2869	3 29.2	0.8225	6.645
30	2.5	0.8280	1.545	1.0449	22 22.4	1.2876	3 25.1	0.8170	6.562
31	2.6	0.8307	+1.554	1.0466	22 23.0	1.2882	3 21.0	0.8114	+6.477
Nov. 1	2.7	0.8334	1.562	1.0483	22 23.7	1.2889	3 17.0	0.8054	6.389
2	2.7	0.8362	1.570	1.0501	22 24.4	1.2895	3 12.9	0.7993	6.300
3	2.8	0.8389	1.579	1.0519	22 25.0	1.2902	3 8.8	0.7930	6.209
4	2.9	0.8416	1.587	1.0537	22 25.7	1.2908	3 4.8	0.7865	6.116
5	2.9	0.8444	1.596	1.0555	22 26.4	1.2915	3 0.8	0.7797	6.021
6	3.0	0.8471	+1.605	1.0573	22 27.1	1.2921	2 56.7	0.7726	+5.924
7	3.1	0.8499	1.614	1.0591	22 27.8	1.2928	2 52.7	0.7653	5.825
8	3.1	0.8526	1.623	1.0610	22 28.4	1.2934	2 48.7	0.7577	5.724
9	3.2	0.8553	1.632	1.0629	22 29.1	1.2941	2 44.7	0.7498	5.621
10	3.3	0.8581	1.641	1.0648	22 29.8	1.2947	2 40.7	0.7417	5.517
11	3.3	0.8608	1.650	1.0667	22 30.4	1.2954	2 36.8	0.7333	5.411
12	3.4	0.8636	+1.660	1.0686	22 31.1	1.2960	2 32.8	0.7245	+5.303
13	3.5	0.8663	1.669	1.0706	22 31.8	1.2967	2 28.9	0.7155	5.194
14	3.5	0.8690	1.679	1.0726	22 32.4	1.2973	2 24.9	0.7061	5.083
15	3.6	0.8718	1.688	1.0746	22 33.1	1.2979	2 21.0	0.6964	4.970
16	3.7	0.8745	1.698	1.0766	22 33.8	1.2985	2 17.0	0.6862	4.855
17	3.7	0.8772	1.708	1.0786	22 34.4	1.2991	2 13.1	0.6757	4.739
18	3.8	0.8800	+1.718	1.0807	22 35.1	1.2997	2 9.2	0.6648	+4.622
19	3.9	0.8827	1.728	1.0827	22 35.7	1.3003	2 5.3	0.6535	4.503
20	3.9	0.8855	1.738	1.0848	22 36.3	1.3009	2 1.4	0.6418	4.383
21	4.0	0.8882	1.748	1.0869	22 37.0	1.3015	1 57.6	0.6296	4.262
22	4.0	0.8909	1.759	1.0890	22 37.6	1.3020	1 53.7	0.6169	4.139
23	4.1	0.8937	+1.769	1.0911	22 38.2	1.3026	1 49.8	0.6036	+4.014

Tag	f'	g'	G'	Allgemeine Präzession seit 1928.0	$\Delta\psi$	$\Delta\psi'$	Wahre Schiefe	$\Delta\varepsilon$	$\Delta\varepsilon'$
	0h Welt-Zeit								
1928	in 0.s001	in 0."01				in 0."01	23° 26'		in 0."01
Okt. 13	0	+ 9	17.h9	+39."27	−16."06	− 1	59."59	+4."72	+ 9
14	− 6	8	16.1	39.41	16.09	−10	59.57	4.72	+ 7
15	−10	8	14.3	39.55	16.11	−16	59.53	4.71	+ 4
16	−12	8	12.2	39.69	16.14	−19	59.49	4.71	0
17	−12	8	10.4	39.82	16.16	−19	59.44	4.70	− 3
18	−10	9	9.0	39.96	16.18	−16	59.40	4.69	− 6
19	− 6	+10	7.7	+40.10	−16.20	−10	59.37	+4.69	− 9
20	− 2	9	6.4	40.24	16.22	− 3	59.35	4.68	− 9
21	+ 3	9	5.1	40.37	16.23	+ 5	59.35	4.67	− 8
22	+ 7	7	3.5	40.51	16.25	+11	59.37	4.66	− 6
23	+ 9	6	1.1	40.65	16.27	+15	59.40	4.65	− 2
24	+ 8	6	22.2	40.79	16.28	+14	59.44	4.65	+ 3
25	+ 5	+ 8	19.8	+40.93	−16.29	+ 9	59.47	+4.64	+ 7
26	0	10	18.1	41.06	16.30	0	59.48	4.63	+10
27	− 6	11	16.7	41.20	16.31	− 9	59.48	4.62	+10
28	−11	11	15.3	41.34	16.32	−18	59.45	4.60	+ 8
29	−15	11	13.7	41.48	16.33	−24	59.40	4.59	+ 5
30	−15	10	11.8	41.61	16.33	−24	59.33	4.58	0
31	−12	+ 9	9.7	+41.75	−16.33	−19	59.27	+4.57	− 5
Nov. 1	− 5	10	7.4	41.89	16.34	− 9	59.22	4.56	− 9
2	+ 2	10	5.4	42.03	16.34	+ 4	59.20	4.55	−10
3	+10	11	3.7	42.16	16.34	+16	59.19	4.54	− 9
4	+16	12	2.1	42.30	16.33	+26	59.21	4.53	− 6
5	+18	12	0.5	42.44	16.33	+30	59.24	4.51	− 2
6	+18	+12	23.0	+42.58	−16.32	+29	59.28	+4.50	+ 3
7	+14	11	21.5	42.71	16.31	+23	59.30	4.49	+ 7
8	+ 9	11	20.1	42.85	16.31	+14	59.31	4.48	+ 9
9	+ 2	10	18.6	42.99	16.29	+ 4	59.30	4.46	+ 9
10	− 4	9	16.9	43.13	16.28	− 6	59.27	4.45	+ 8
11	− 8	8	15.0	43.26	16.27	−13	59.23	4.44	+ 5
12	−11	+ 7	12.9	+43.40	−16.25	−18	59.18	+4.43	+ 2
13	−11	8	10.9	43.54	16.23	−19	59.13	4.42	− 2
14	−10	9	9.2	43.68	16.21	−16	59.08	4.41	− 6
15	− 7	9	7.9	43.82	16.19	−11	59.05	4.39	− 8
16	− 3	9	6.7	43.95	16.17	− 4	59.02	4.38	− 9
17	+ 2	9	5.4	44.09	16.15	+ 3	59.01	4.37	− 9
18	+ 6	+ 8	4.0	+44.23	−16.12	+10	59.02	+4.36	− 7
19	+ 8	6	2.0	44.37	16.10	+14	59.05	4.35	− 3
20	+ 9	6	23.1	44.50	16.07	+14	59.08	4.34	+ 1
21	+ 6	7	20.4	44.64	16.04	+10	59.11	4.33	+ 6
22	+ 2	9	18.4	44.78	16.01	+ 2	59.13	4.32	+ 9
23	− 5	+11	16.9	+44.92	−15.97	− 8	59.14	+4.31	+10

Tag	0h Welt-Zeit St.-Zt Grw.	t	f	log g	G	log h	H	log i	i
1928									
Nov. 23	h 4.1	s 0.8937	s +1.769	1.0911	h m 22 38.2	1.3026	h m 1 49.8	0.6036	" +4.014
24	4.2	0.8964	1.780	1.0932	22 38.8	1.3031	1 46.0	0.5897	3.888
25	4.2	0.8991	1.790	1.0954	22 39.4	1.3037	1 42.1	0.5753	3.761
26	4.3	0.9019	1.801	1.0976	22 40.0	1.3042	1 38.3	0.5603	3.633
27	4.4	0.9046	1.812	1.0998	22 40.6	1.3047	1 34.4	0.5446	3.504
28	4.4	0.9074	1.822	1.1020	22 41.1	1.3051	1 30.6	0.5281	3.374
29	4.5	0.9101	+1.833	1.1042	22 41.7	1.3056	1 26.8	0.5108	+3.242
30	4.6	0.9128	1.844	1.1064	22 42.2	1.3060	1 23.0	0.4926	3.109
Dez. 1	4.6	0.9156	1.855	1.1086	22 42.8	1.3065	1 19.2	0.4736	2.976
2	4.7	0.9183	1.866	1.1109	22 43.3	1.3069	1 15.4	0.4535	2.841
3	4.8	0.9210	1.878	1.1131	22 43.8	1.3073	1 11.6	0.4322	2.705
4	4.8	0.9238	1.889	1.1154	22 44.3	1.3077	1 7.8	0.4098	2.569
5	4.9	0.9265	+1.900	1.1177	22 44.8	1.3080	1 4.0	0.3858	+2.431
6	5.0	0.9293	1.911	1.1200	22 45.3	1.3084	1 0.3	0.3602	2.292
7	5.0	0.9320	1.923	1.1223	22 45.7	1.3087	0 56.5	0.3330	2.153
8	5.1	0.9347	1.934	1.1246	22 46.2	1.3090	0 52.7	0.3041	2.014
9	5.2	0.9375	1.946	1.1269	22 46.6	1.3093	0 49.0	0.2728	1.874
10	5.2	0.9402	1.957	1.1292	22 47.0	1.3096	0 45.2	0.2388	1.733
11	5.3	0.9430	+1.969	1.1315	22 47.4	1.3098	0 41.5	0.2019	+1.592
12	5.4	0.9457	1.981	1.1338	22 47.8	1.3100	0 37.7	0.1614	1.450
13	5.4	0.9484	1.992	1.1361	22 48.2	1.3102	0 34.0	0.1163	1.307
14	5.5	0.9512	2.004	1.1384	22 48.6	1.3104	0 30.2	0.0660	1.164
15	5.6	0.9539	2.016	1.1407	22 48.9	1.3106	0 26.5	0.0090	1.021
16	5.6	0.9566	2.028	1.1430	22 49.3	1.3107	0 22.7	9.9435	0.878
17	5.7	0.9594	+2.039	1.1453	22 49.6	1.3108	0 19.0	9.8657	+0.734
18	5.8	0.9621	2.051	1.1476	22 49.9	1.3109	0 15.2	9.7709	0.590
19	5.8	0.9649	2.063	1.1499	22 50.2	1.3110	0 11.5	9.6484	0.445
20	5.9	0.9676	2.075	1.1522	22 50.5	1.3111	0 7.8	9.4771	0.300
21	6.0	0.9703	2.087	1.1545	22 50.8	1.3111	0 4.0	9.1903	0.155
22	6.0	0.9731	2.098	1.1569	22 51.0	1.3111	0 0.3	8.0414	+0.011
23	6.1	0.9758	+2.110	1.1592	22 51.3	1.3111	23 56.5	9.1271_n	−0.134
24	6.2	0.9785	2.122	1.1615	22 51.5	1.3111	23 52.8	9.4456_n	0.279
25	6.2	0.9813	2.134	1.1638	22 51.7	1.3110	23 49.1	9.6274_n	0.424
26	6.3	0.9840	2.146	1.1660	22 51.9	1.3110	23 45.3	9.7543_n	0.568
27	6.3	0.9868	2.158	1.1683	22 52.1	1.3109	23 41.6	9.8525_n	0.712
28	6.4	0.9895	2.169	1.1706	22 52.3	1.3107	23 37.8	9.9325_n	0.856
29	6.5	0.9922	+2.181	1.1728	22 52.5	1.3106	23 34.1	0.0000_n	−1.000
30	6.5	0.9950	2.193	1.1750	22 52.6	1.3104	23 30.3	0.0584_n	1.144
31	6.6	0.9977	2.205	1.1773	22 52.8	1.3102	23 26.6	0.1099_n	1.288
32	6.7	1.0004	2.216	1.1795	22 52.9	1.3100	23 22.8	0.1556_n	1.431
33	6.7	1.0032	2.228	1.1817	22 53.0	1.3098	23 19.1	0.1967_n	1.573
34	6.8	1.0059	+2.240	1.1839	22 53.2	1.3096	23 15.3	0.2343_n	−1.715

Tag	0ʰ Welt-Zeit								
	f'	g'	G'	Allgemeine Präzession seit 1928.0	$\Delta\psi$	$\Delta\psi'$	Wahre Schiefe	$\Delta\varepsilon$	$\Delta\varepsilon'$
1928	in 0.ˢ001	in 0.″01				in 0.″01	23° 26′		in 0.″01
Nov. 23	− 5	+11	16.ʰ9	+44.″92	−15.″97	− 8	59.″14	+4.″31	+10
24	−11	12	15.5	45.05	15.94	−17	59.12	4.30	+ 9
25	−15	12	14.1	45.19	15.90	−25	59.07	4.29	+ 6
26	−16	11	12.5	45.33	15.87	−27	59.02	4.28	+ 1
27	−14	10	10.6	45.47	15.83	−23	58.96	4.27	− 4
28	− 9	10	8.4	45.60	15.79	−14	58.91	4.27	− 8
29	− 1	+10	6.3	+45.74	−15.75	− 2	58.88	+4.26	−10
30	+ 7	11	4.4	45.88	15.71	+11	58.87	4.25	−10
Dez. 1	+14	12	2.7	46.02	15.66	+23	58.89	4.25	− 7
2	+18	12	1.1	46.15	15.62	+29	58.92	4.24	− 3
3	+19	12	23.5	46.29	15.57	+31	58.96	4.23	+ 2
4	+16	12	22.1	46.43	15.53	+26	59.00	4.23	+ 6
5	+11	+11	20.7	+46.57	−15.48	+18	59.02	+4.23	+ 9
6	+ 5	10	19.2	46.70	15.43	+ 8	59.03	4.22	+10
7	− 1	9	17.6	46.84	15.38	− 2	59.01	4.22	+ 9
8	− 6	8	15.8	46.98	15.33	−10	58.99	4.22	+ 6
9	−10	7	13.6	47.12	15.28	−16	58.95	4.22	+ 3
10	−11	7	11.4	47.26	15.23	−18	58.91	4.21	− 1
11	−10	+ 8	9.6	+47.39	−15.18	−16	58.87	+4.21	− 5
12	− 7	9	8.1	47.53	15.13	−12	58.84	4.21	− 8
13	− 3	9	6.8	47.67	15.07	− 5	58.82	4.21	− 9
14	+ 1	9	5.6	47.81	15.02	+ 2	58.82	4.22	− 9
15	+ 6	8	4.3	47.94	14.96	+ 9	58.84	4.22	− 8
16	+ 9	7	2.5	48.08	14.91	+14	58.87	4.22	− 4
17	+10	+ 6	0.0	+48.22	−14.85	+15	58.92	+4.23	0
18	+ 8	7	21.3	48.36	14.80	+13	58.97	4.23	+ 4
19	+ 3	8	19.0	48.49	14.74	+ 6	59.01	4.23	+ 8
20	− 3	10	17.4	48.63	14.69	− 4	59.03	4.24	+10
21	− 9	12	15.9	48.77	14.63	−15	59.04	4.25	+10
22	−15	12	14.5	48.91	14.57	−24	59.02	4.25	+ 7
23	−17	+12	13.0	+49.04	−14.52	−28	58.98	+4.26	+ 3
24	−16	11	11.3	49.18	14.46	−27	58.93	4.27	− 2
25	−12	10	9.3	49.32	14.41	−20	58.89	4.28	− 7
26	− 5	10	7.3	49.46	14.35	− 8	58.87	4.29	−10
27	+ 3	10	5.3	49.59	14.29	+ 5	58.88	4.30	−10
28	+11	11	3.4	49.73	14.24	+17	58.90	4.31	− 9
29	+16	+11	1.6	+49.87	−14.18	+26	58.95	+4.32	− 5
30	+18	12	0.1	50.01	14.13	+30	59.01	4.33	0
31	+17	12	22.5	50.14	14.07	+28	59.07	4.35	+ 4
32	+13	11	21.1	50.28	14.02	+21	59.11	4.36	+ 8
33	+ 7	11	19.7	50.42	13.97	+11	59.14	4.38	+10
34	+ 1	+ 9	18.2	+50.56	−13.91	+ 1	59.16	+4.39	+ 9

Reduktionsgrößen 1928

für 12ʰ Sternzeit Greenwich

Welt-Zeit	t	A		A′	B		B′	C		D	
1928	s			in 0.00001	″		″ in 0.001	″		″	
Jan. 0.226	−0.0038	−0.32869	371	−110	−1.510	15	−101	−2.793	329	+20.242	57
1.223	−0.0010	0.32498	370	−300	1.525	15	−86	3.122	328	20.185	64
2.221	+0.0017	0.32128	369	−427	1.540	16	−51	3.450	327	20.121	70
3.218	0.0044	0.31759	367	−455	1.556	16	−3	3.777	326	20.051	76
4.215	0.0072	0.31392	366	−371	1.572	17	+43	4.103	325	19.975	82
5.212	0.0099	0.31026	365	−197	1.589	18	+80	4.428	323	19.893	89
6.210	0.0126	−0.30661	363	+29	−1.607	19	+96	−4.751	321	+19.804	95
7.207	0.0154	0.30298	362	+251	1.626	19	+91	5.072	320	19.709	101
8.204	0.0181	0.29936	359	+426	1.645	20	+66	5.392	318	19.608	107
9.201	0.0208	0.29577	357	+524	1.665	20	+27	5.710	317	19.501	114
10.199	0.0236	0.29220	355	+526	1.685	21	−13	6.027	315	19.387	120
11.196	0.0263	0.28865	354	+444	1.706	21	−51	6.342	312	19.267	125
12.193	0.0290	−0.28511	352	+295	−1.727	22	−77	−6.654	310	+19.142	131
13.190	0.0317	0.28159	350	+112	1.749	22	−87	6.964	309	19.011	138
14.188	0.0345	0.27809	347	−78	1.771	22	−84	7.273	306	18.873	144
15.185	0.0372	0.27462	344	−247	1.793	23	−66	7.579	303	18.729	149
16.182	0.0399	0.27118	342	−370	1.816	24	−35	7.882	301	18.580	155
17.180	0.0427	0.26776	339	−433	1.840	24	0	8.183	298	18.425	161
18.177	0.0454	−0.26437	336	−426	−1.864	25	+37	−8.481	295	+18.264	167
19.174	0.0481	0.26101	335	−344	1.889	25	+71	8.776	293	18.097	172
20.171	0.0509	0.25766	332	−200	1.914	25	+91	9.069	290	17.925	178
21.169	0.0536	0.25434	328	−19	1.939	26	+96	9.359	287	17.747	184
22.166	0.0563	0.25106	326	+159	1.965	26	+79	9.646	284	17.563	189
23.163	0.0591	0.24780	324	+298	1.991	26	+46	9.930	281	17.374	194
24.160	0.0618	−0.24456	321	+360	−2.017	26	+1	−10.211	277	+17.180	199
25.158	0.0645	0.24135	317	+322	2.043	27	−45	10.488	274	16.981	205
26.155	0.0672	0.23818	314	+195	2.070	27	−82	10.762	270	16.776	210
27.152	0.0700	0.23504	311	+4	2.097	27	−101	11.032	267	16.566	215
28.150	0.0727	0.23193	308	−197	2.124	27	−96	11.299	263	16.351	220
29.147	0.0754	0.22885	305	−358	2.151	28	−67	11.562	260	16.131	226
30.144	0.0782	−0.22580	302	−434	−2.179	27	−23	−11.822	256	+15.905	231
31.141	0.0809	0.22278	298	−401	2.206	28	+27	12.078	252	15.674	235
Febr. 1.139	0.0836	0.21980	295	−266	2.234	28	+68	12.330	248	15.439	240
2.136	0.0864	0.21685	292	−63	2.262	28	+94	12.578	245	15.199	245
3.133	0.0891	0.21393	289	+163	2.290	27	+96	12.823	241	14.954	249
4.130	0.0918	0.21104	286	+357	2.317	28	+77	13.064	236	14.705	253
5.128	0.0945	−0.20818	283	+485	−2.345	28	+44	−13.300	232	+14.452	258
6.125	0.0973	0.20535	279	+523	2.373	28	+1	13.532	227	14.194	262
7.122	0.1000	0.20256	276	+469	2.401	28	−37	13.759	223	13.932	266
8.120	0.1027	0.19980	273	+343	2.429	28	−69	13.982	219	13.666	271
9.117	0.1055	0.19707	270	+171	2.457	27	−87	14.201	214	13.395	275
10.114	0.1082	−0.19437		−19	−2.484		−88	−14.415		+13.120	

Reduktionsgrößen 1928

für 12^h Sternzeit Greenwich

Welt-Zeit	t	A		A′	B		B′	C		D	
1928	″			in 0.00001	″		in 0.001	″		″	
Febr. 10.114	0.1082	−0.19437	266	− 19	−2.484	27	− 88	−14.415	210	+13.120	279
11.111	0.1109	0.19171	263	−198	2.511	27	− 75	14.625	205	12.841	283
12.109	0.1137	0.18908	261	−340	2.538	27	− 49	14.830	200	12.558	286
13.106	0.1164	0.18647	258	−425	2.565	27	− 14	15.030	195	12.272	290
14.103	0.1191	0.18389	254	−446	2.592	26	+ 23	15.225	191	11.982	293
15.100	0.1219	0.18135	251	−394	2.618	26	+ 58	15.416	186	11.689	297
16.098	0.1246	−0.17884	249	−275	−2.644	26	+ 83	−15.602	182	+11.392	301
17.095	0.1273	0.17635	246	−109	2.670	26	+ 95	15.784	177	11.091	304
18.092	0.1300	0.17389	243	+ 75	2.696	25	+ 87	15.961	171	10.787	307
19.089	0.1328	0.17146	240	+235	2.721	25	+ 60	16.132	166	10.480	310
20.087	0.1355	0.16906	238	+331	2.746	25	+ 21	16.298	161	10.170	314
21.084	0.1382	0.16668	235	+341	2.771	24	− 27	16.459	156	9.856	316
22.081	0.1410	−0.16433	232	+255	−2.795	24	− 68	−16.615	151	+ 9.540	319
23.079	0.1437	0.16201	230	+ 94	2.819	23	− 96	16.766	146	9.221	321
24.076	0.1464	0.15971	227	−104	2.842	23	−100	16.912	140	8.900	324
25.073	0.1492	0.15744	225	−281	2.865	23	− 80	17.052	135	8.576	327
26.070	0.1519	0.15519	223	−394	2.888	22	− 41	17.187	130	8.249	329
27.068	0.1546	0.15296	221	−403	2.910	22	+ 7	17.317	125	7.920	331
28.065	0.1573	−0.15075	218	−307	−2.932	21	+ 54	−17.442	119	+ 7.589	334
29.062	0.1601	0.14857	216	−127	2.953	21	+ 87	17.561	114	7.255	336
März 1.059	0.1628	0.14641	215	+ 94	2.974	20	+ 99	17.675	108	6.919	337
2.057	0.1655	0.14426	213	+304	2.994	19	+ 89	17.783	102	6.582	339
3.054	0.1683	0.14213	211	+459	3.013	19	+ 59	17.885	97	6.243	341
4.051	0.1710	0.14002	209	+530	3.032	18	+ 18	17.982	91	5.902	343
5.049	0.1737	−0.13793	208	+507	−3.050	18	− 24	−18.073	86	+ 5.559	344
6.046	0.1765	0.13585	206	+402	3.068	17	− 60	18.159	80	5.215	345
7.043	0.1792	0.13379	205	+240	3.085	16	− 82	18.239	75	4.870	347
8.040	0.1819	0.13174	203	+ 48	3.101	16	− 91	18.314	70	4.523	348
9.038	0.1847	0.12971	202	−136	3.117	15	− 82	18.384	64	4.175	349
10.035	0.1874	0.12769	201	−295	3.132	15	− 59	18.448	59	3.826	350
11.032	0.1901	−0.12568	200	−404	−3.147	14	− 27	−18.507	53	+ 3.476	351
12.029	0.1928	0.12368	199	−450	3.161	13	+ 10	18.560	47	3.125	352
13.027	0.1956	0.12169	199	−426	3.174	13	+ 47	18.607	41	2.773	352
14.024	0.1983	0.11970	198	−335	3.187	12	+ 77	18.648	35	2.421	353
15.021	0.2010	0.11772	198	−189	3.199	12	+ 93	18.683	30	2.068	353
16.018	0.2038	0.11574	197	− 16	3.211	11	+ 93	18.713	24	1.715	353
17.016	0.2065	−0.11377	196	+151	−3.222	10	+ 74	−18.737	19	+ 1.362	354
18.013	0.2092	0.11181	196	+273	3.232	9	+ 37	18.756	13	1.008	354
19.010	0.2120	0.10985	195	+319	3.241	9	− 8	18.769	8	0.654	354
20.008	0.2147	0.10790	196	+271	3.250	8	− 54	18.777	2	+ 0.300	354
21.005	0.2174	0.10594	196	+138	3.258	7	− 88	18.779	−3	− 0.054	353
22.002	0.2201	−0.10398		− 43	−3.265		−103	−18.776		− 0.407	

Reduktionsgrößen 1928

für 12ʰ Sternzeit Greenwich

Welt-Zeit	t	A		A'	B		B'	C		D	
1928	a			in 0.00001	"		in 0.001 "	"		"	
März 22.002	0.2201	−0.10398	196	− 43	−3.265	7	−103	−18.776	9	− 0.407	353
22.999	0.2229	0.10202	197	−228	3.272	6	− 92	18.767	15	0.760	353
23.997	0.2256	0.10005	197	−363	3.278	5	− 61	18.752	21	1.113	352
24.994	0.2283	0.09808	198	−407	3.283	5	− 14	18.731	26	1.465	352
25.991	0.2311	0.09610	198	−346	3.288	4	+ 35	18.705	32	1.817	351
26.988	0.2338	0.09412	199	−187	3.292	4	+ 75	18.673	37	2.168	350
27.986	0.2365	−0.09213	199	+ 29	−3.296	3	+ 95	−18.636	43	− 2.518	349
28.983	0.2393	0.09014	200	+251	3.299	2	+ 96	18.593	48	2.867	348
29.980	0.2420	0.08814	201	+436	3.301	2	+ 73	18.545	53	3.215	247
30.978	0.2447	0.08613	202	+542	3.303	1	+ 36	18.492	59	3.562	346
31.975	0.2475	0.08411	203	+552	3.304	0	− 7	18.433	64	3.908	344
April 1.972	0.2502	0.08208	205	+471	3.304	0	− 47	18.369	69	4.252	343
2.969	0.2529	−0.08003	206	+324	−3.304	1	− 75	−18.300	75	− 4.595	341
3.967	0.2556	0.07797	208	+138	3.303	2	− 89	18.225	80	4.936	340
4.964	0.2584	0.07589	209	− 57	3.301	2	− 87	18.145	86	5.276	338
5.961	0.2611	0.07380	211	−230	3.299	2	− 69	18.059	91	5.614	336
6.958	0.2638	0.07169	213	−358	3.297	3	− 41	17.968	96	5.950	334
7.956	0.2666	0.06956	214	−431	3.294	3	− 5	17.872	101	6.284	332
8.953	0.2693	−0.06742	216	−434	−3.291	4	+ 33	−17.771	106	− 6.616	330
9.950	0.2720	0.06526	218	−371	3.287	5	+ 67	17.665	111	6.946	328
10.948	0.2748	0.06308	220	−249	3.282	5	+ 89	17.554	116	7.274	325
11.945	0.2775	0.06088	222	− 89	3.277	5	+ 97	17.438	122	7.599	323
12.942	0.2802	0.05866	224	+ 78	3.272	6	+ 84	17.316	127	7.922	321
13.939	0.2829	0.05642	227	+214	3.266	6	+ 53	17.189	131	8.243	318
14.937	0.2857	−0.05415	229	+286	−3.260	6	+ 11	−17.058	136	− 8.561	315
15.934	0.2884	0.05186	231	+269	3.254	7	− 36	16.922	141	8.876	313
16.931	0.2911	0.04955	233	+166	3.247	7	− 76	16.781	146	9.189	310
17.928	0.2939	0.04722	236	− 3	3.240	8	−100	16.635	150	9.499	307
18.926	0.2966	0.04486	238	−192	3.232	8	−100	16.485	155	9.806	304
19.923	0.2993	0.04248	240	−351	3.224	9	− 77	16.330	160	10.110	300
20.920	0.3021	−0.04008	243	−430	−3.215	9	− 35	−16.170	165	−10.410	297
21.917	0.3048	0.03765	245	−405	3.206	9	+ 14	16.005	169	10.707	295
22.915	0.3075	0.03520	248	−273	3.197	9	+ 60	15.836	173	11.002	291
23.912	0.3102	0.03272	252	− 65	3.188	9	+ 90	15.663	178	11.293	288
24.909	0.3130	0.03020	254	+173	3.179	9	+ 99	15.485	182	11.581	284
25.907	0.3157	0.02766	257	+388	3.170	10	+ 85	15.303	187	11.865	281
26.904	0.3184	−0.02509	260	+535	−3.160	9	+ 51	−15.116	191	−12.146	277
27.901	0.3212	0.02249	262	+586	3.151	10	+ 10	14.925	194	12.423	274
28.898	0.3239	0.01987	265	+541	3.141	10	− 33	14.731	199	12.697	270
29.896	0.3266	0.01722	267	+415	3.131	10	− 67	14.532	203	12.967	265
30.893	0.3294	0.01455	270	+234	3.121	10	− 87	14.329	207	13.232	261
Mai 1.890	0.3321	−0.01185		+ 37	−3.111		− 91	−14.122		−13.493	

Reduktionsgrößen 1928

für 12^h Sternzeit Greenwich

Welt-Zeit	t	A		A'	B		B'	C		D	
1928	s			in 0.00001	"		in 0.001 "	"		"	
Mai 1.890	0.3321	−0.01185	273	+ 37	−3.111	11	− 91	−14.122	211	−13.493	258
2.887	0.3348	0.00912	276	−149	3.100	10	− 77	13.911	215	13.751	254
3.885	0.3376	0.00636	279	−300	3.090	11	− 52	13.696	218	14.005	250
4.882	0.3403	0.00357	282	−390	3.079	10	− 18	13.478	222	14.255	246
5.879	0.3430	−0.00075	284	−420	3.069	11	+ 20	13.256	226	14.501	241
6.877	0.3457	+0.00209	287	−380	3.058	10	+ 56	13.030	230	14.742	237
7.874	0.3485	+0.00496	290	−279	−3.048	10	+ 82	−12.800	233	−14.979	232
8.871	0.3512	0.00786	293	−133	3.038	11	+ 96	12.567	237	15.211	228
9.868	0.3539	0.01079	295	+ 30	3.027	10	+ 91	12.330	240	15.439	224
10.866	0.3567	0.01374	298	+177	3.017	10	+ 68	12.090	243	15.663	219
11.863	0.3594	0.01672	301	+269	3.007	10	+ 29	11.847	247	15.882	215
12.860	0.3621	0.01973	304	+278	2.997	10	− 18	11.600	250	16.097	210
13.857	0.3649	+0.02277	306	+201	−2.987	9	− 62	−11.350	252	−16.307	206
14.855	0.3676	0.02583	309	+ 43	2.978	10	− 93	11.098	255	16.513	201
15.852	0.3703	0.02892	311	−150	2.968	9	−103	10.843	259	16.714	195
16.849	0.3730	0.03203	314	−336	2.959	9	− 90	10.584	262	16.909	191
17.847	0.3758	0.03517	317	−455	2.950	8	− 54	10.322	264	17.100	186
18.844	0.3785	0.03834	319	−474	2.942	8	− 6	10.058	267	17.286	181
19.841	0.3812	+0.04153	322	−382	−2.934	8	+ 43	− 9.791	269	−17.467	177
20.838	0.3840	0.04475	324	−191	2.926	7	+ 82	9.522	272	17.644	171
21.836	0.3867	0.04799	326	+ 50	2.919	7	+ 99	9.250	275	17.815	166
22.833	0.3894	0.05125	328	+293	2.912	7	+ 94	8.975	277	17.981	161
23.830	0.3922	0.05453	330	+481	2.905	7	+ 67	8.698	280	18.142	156
24.827	0.3949	0.05783	332	+584	2.898	7	+ 27	8.418	282	18.298	151
25.825	0.3976	+0.06115	335	+586	−2.891	6	− 16	− 8.136	284	−18.449	145
26.822	0.4004	0.06450	337	+493	2.885	6	− 56	7.852	286	18.594	140
27.819	0.4031	0.06787	339	+330	2.879	5	− 82	7.566	288	18.734	136
28.816	0.4058	0.07126	341	+135	2.874	4	− 91	7.278	290	18.870	130
29.814	0.4085	0.07467	343	− 60	2.870	4	− 84	6.988	592	19.000	124
30.811	0.4113	0.07810	344	−228	2.866	4	− 63	6.696	294	19.124	119
31.808	0.4140	+0.08154	346	−342	−2.862	3	− 32	− 6.402	295	−19.243	114
Juni 1.806	0.4167	0.08500	348	−395	2.859	3	+ 5	6.107	297	19.357	108
2.803	0.4195	0.08848	349	−381	2.856	2	+ 42	5.810	298	19.465	103
3.800	0.4222	0.09197	351	−301	2.854	2	+ 73	5.512	299	19.568	97
4.797	0.4249	0.09548	352	−166	2.852	1	+ 92	5.213	301	19.665	92
5.795	0.4277	0.09900	353	− 5	2.851	1	+ 94	4.912	302	19.757	86
6.792	0.4304	+0.10253	355	+150	−2.850	0	+ 78	− 4.610	304	−19.843	81
7.789	0.4331	0.10608	356	+265	2.850	1	+ 45	4.306	305	19.924	76
8.786	0.4358	0.10964	356	+305	2.851	1	+ 1	4.001	306	20.000	70
9.784	0.4386	0.11320	358	+255	2.852	1	− 47	3.695	307	20.070	64
10.781	0.4413	0.11678	359	+120	2.853	2	− 83	3.388	308	20.134	59
11.778	0.4440	+0.12037		− 75	−2.855		−103	− 3.080		−20.193	

Reduktionsgrößen 1928

für 12ʰ Sternzeit Greenwich

Welt-Zeit		t	A		A'	B		B'	C		D	
1928		s			in 0.00001	"		in 0.001	"		"	
Juni	11.778	0.4440	+0.12037	359	− 75	−2.855	2	−103	−3.080	308	−20.193	53
	12.776	0.4468	0.12396	360	−282	2.857	3	− 98	2.772	309	20.246	48
	13.773	0.4495	0.12756	361	−442	2.860	4	− 71	2.463	310	20.294	42
	14.770	0.4522	0.13117	361	−513	2.864	4	− 25	2.153	310	20.336	36
	15.767	0.4550	0.13478	362	−473	2.868	5	+ 25	1.843	311	20.372	30
	16.765	0.4577	0.13840	362	−320	2.873	5	+ 69	1.532	311	20.402	25
	17.762	0.4604	+0.14202	362	− 92	−2.878	6	+ 96	−1.221	312	−20.427	19
	18.759	0.4632	0.14564	363	+160	2.884	7	+ 99	0.909	312	20.446	14
	19.756	0.4659	0.14927	363	+385	2.891	7	+ 80	0.597	312	20.460	8
	20.754	0.4686	0.15290	363	+535	2.898	8	+ 45	−0.285	312	20.468	2
	21.751	0.4713	0.15653	363	+585	2.906	8	+ 1	+0.027	312	20.470	3
	22.748	0.4741	0.16016	363	+533	2.914	9	− 42	0.339	311	20.467	9
	23.745	0.4768	+0.16379	363	+401	−2.923	10	− 74	+0.650	311	−20.458	15
	24.743	0.4795	0.16742	363	+216	2.933	10	− 89	0.961	311	20.443	20
	25.740	0.4823	0.17105	362	+ 20	2.943	11	− 90	1.272	311	20.423	26
	26.737	0.4850	0.17467	362	−160	2.954	11	− 72	1.583	310	20.397	31
	27.735	0.4877	0.17829	361	−295	2.965	12	− 45	1.893	310	20.366	37
	28.732	0.4905	0.18190	360	−371	2.977	12	− 8	2.203	309	20.329	43
	29.729	0.4932	+0.18550	359	−378	−2.989	13	+ 30	+2.512	308	−20.286	48
	30.726	0.4959	0.18909	359	−320	3.002	13	+ 64	2.820	308	20.238	54
Juli	1.724	0.4986	0.19268	358	−204	3.015	14	+ 87	3.128	307	20.184	59
	2.721	0.5014	0.19626	356	− 49	3.029	15	+ 95	3.435	306	20.125	65
	3.718	0.5041	0.19982	356	+114	3.044	15	+ 86	3.741	305	20.060	70
	4.715	0.5068	0.20338	354	+252	3.059	16	+ 60	4.046	304	19.990	76
	5.713	0.5096	+0.20692	353	+327	−3.075	16	+ 19	+4.350	303	−19.914	82
	6.710	0.5123	0.21045	352	+314	3.091	17	− 28	4.653	301	19.832	87
	7.707	0.5150	0.21397	351	+210	3.108	17	− 70	4.954	300	19.745	92
	8.705	0.5178	0.21748	349	+ 32	3.125	18	− 98	5.254	298	19.653	98
	9.702	0.5205	0.22097	348	−179	3.143	18	−103	5.552	297	19.555	103
	10.699	0.5232	0.22445	347	−375	3.161	19	− 84	5.849	295	19.452	109
	11.696	0.5260	+0.22792	345	−496	−3.180	19	− 46	+6.144	294	−19.343	114
	12.694	0.5287	0.23137	343	−512	3.199	20	+ 4	6.438	292	19.229	119
	13.691	0.5314	0.23480	341	−413	3.219	20	+ 52	6.730	290	19.110	124
	14.688	0.5341	0.23821	339	−218	3.239	21	+ 88	7.020	289	18.986	130
	15.685	0.5369	0.24160	337	+ 28	3.260	21	+101	7.309	286	18.856	135
	16.683	0.5396	0.24497	336	+268	3.281	21	+ 91	7.595	284	18.721	139
	17.680	0.5423	+0.24833	333	+454	−3.302	21	+ 61	+7.879	282	−18.582	145
	18.677	0.5451	0.25166	331	+538	3.323	22	+ 19	8.161	279	18.437	151
	19.675	0.5478	0.25497	329	+541	3.345	22	− 26	8.440	277	18.286	156
	20.672	0.5505	0.25826	327	+440	3.367	23	− 64	8.717	276	18.130	160
	21.669	0.5533	0.26153	325	+276	3.390	23	− 87	8.993	273	17.970	165
	22.666	0.5560	+0.26478		+ 84	−3.413		− 93	+9.266		−17.805	

Reduktionsgrößen 1928

für 12ʰ Sternzeit Greenwich

Welt-Zeit	t	A	Δ	A'	B	Δ	B'	C	Δ	D	Δ
1928	h			in 0.00001	"		in 0.001	"		"	
Juli 22.666	0.5560	+0.26478	322	+ 84	−3.413	23	− 93	+ 9.266	270	−17.805	170
23.664	0.5587	0.26800	320	−102	3.436	23	− 81	9.536	268	17.635	175
24.661	0.5614	0.27120	317	−253	3.459	24	− 57	9.804	265	17.460	180
25.658	0.5642	0.27437	315	−349	3.483	24	− 22	10.069	262	17.280	185
26.655	0.5669	0.27752	313	−381	3.507	25	+ 15	10.331	260	17.095	189
27.653	0.5696	0.28065	310	−346	3.532	25	+ 50	10.591	257	16.906	194
28.650	0.5724	+0.28375	308	−249	−3.557	25	+ 79	+10.848	253	−16.712	200
29.647	0.5751	0.28683	305	−109	3.582	25	+ 94	11.101	250	16.512	204
30.644	0.5778	0.28988	303	+ 58	3.607	25	+ 91	11.351	248	16.308	209
31.642	0.5806	0.29291	300	+214	3.632	25	+ 71	11.599	245	16.099	213
Aug. 1.639	0.5833	0.29591	298	+318	3.657	25	+ 36	11.844	241	15.886	217
2.636	0.5860	0.29889	295	+348	3.682	25	− 10	12.085	238	15.669	221
3.634	0.5888	+0.30184	292	+284	−3.707	26	− 54	+12.323	234	−15.448	226
4.631	0.5915	0.30476	289	+137	3.733	25	− 87	12.557	231	15.222	230
5.628	0.5942	0.30765	287	− 66	3.758	26	−104	12.788	227	14.992	235
6.625	0.5969	0.31052	284	−272	3.784	25	− 94	13.015	224	14.757	239
7.623	0.5997	0.31336	281	−431	3.809	26	− 63	13.239	221	14.518	242
8.620	0.6024	0.31617	279	−498	3.835	25	− 15	13.460	217	14.276	247
9.617	0.6051	+0.31896	276	−452	−3.860	26	+ 35	+13.677	213	−14.029	251
10.614	0.6079	0.32172	273	−300	3.886	26	+ 77	13.890	209	13.778	255
11.612	0.6106	0.32445	271	− 75	3.912	25	+100	14.099	205	13.523	259
12.609	0.6133	0.32716	268	+167	3.937	26	+ 99	14.304	201	13.264	263
13.606	0.6161	0.32984	265	+376	3.963	25	+ 76	14.505	197	13.001	266
14.604	0.6188	0.33249	262	+505	3.988	26	+ 36	14.702	193	12.735	270
15.601	0.6215	+0.33511	260	+535	−4.014	25	− 10	+14.895	190	−12.465	273
16.598	0.6242	0.33771	257	+468	4.039	25	− 51	15.085	185	12.192	277
17.595	0.6270	0.34028	255	+326	4.064	24	− 81	15.270	181	11.915	280
18.593	0.6297	0.34283	252	+142	4.088	24	− 93	15.451	177	11.635	284
19.590	0.6324	0.34535	250	− 49	4.112	24	− 88	15.628	172	11.351	287
20.587	0.6352	0.34785	248	−215	4.136	24	− 68	15.800	168	11.064	290
21.584	0.6379	+0.35033	245	−331	−4.160	24	− 36	+15.968	164	−10.774	294
22.582	0.6406	0.35278	243	−385	4.184	23	+ 1	16.132	159	10.480	297
23.579	0.6434	0.35521	240	−374	4.207	23	+ 39	16.291	155	10.183	299
24.576	0.6461	0.35761	238	−300	4.230	23	+ 70	16.446	150	9.884	303
25.574	0.6488	0.35999	236	−173	4.253	22	+ 90	16.596	145	9.581	305
26.571	0.6515	0.36235	234	− 15	4.275	22	+ 96	16.741	141	9.276	308
27.568	0.6543	+0.36469	231	+145	−4.297	22	+ 81	+16.882	136	− 8.968	311
28.565	0.6570	0.36700	229	+274	4.319	21	+ 51	17.018	131	8.657	313
29.563	0.6597	0.36929	227	+338	4.340	21	+ 9	17.149	126	8.344	316
30.560	0.6625	0.37156	225	+314	4.361	21	− 37	17.275	121	8.028	318
31.557	0.6652	0.37381	223	+205	4.382	20	− 76	17.396	117	7.710	321
Sept. 1.554	0.6679	+0.37604		+ 27	−4.402		−100	+17.513		− 7.389	

Reduktionsgrößen 1928

für 12ʰ Sternzeit Greenwich

Welt-Zeit	t	A	Δ	A′	B	Δ	B′	C	Δ	D	Δ
1928	h			in 0.00001	″		″ in 0.001	″		″	
Sept. 1.554	0.6679	+0.37604	221	+ 27	−4.402	20	−100	+17.513	111	−7.389	323
2.552	0.6707	0.37825	220	−176	4.422	19	−101	17.624	107	7.066	325
3.549	0.6734	0.38045	218	−355	4.441	18	− 79	17.731	102	6.741	327
4.546	0.6761	0.38263	216	−457	4.459	18	− 37	17.833	97	6.414	329
5.543	0.6789	0.38479	214	−456	4.477	17	+ 14	17.930	92	6.085	331
6.541	0.6816	0.38693	213	−344	4.494	17	+ 59	18.022	87	5.754	332
7.538	0.6843	+0.38906	211	−145	−4.511	17	+ 92	+18.109	82	−5.422	334
8.535	0.6870	0.39117	210	+ 93	4.528	16	+103	18.191	76	5.088	337
9.533	0.6898	0.39327	209	+317	4.544	15	+ 87	18.267	71	4.751	338
10.530	0.6925	0.39536	208	+476	4.559	15	+ 54	18.338	66	4.413	339
11.527	0.6952	0.39744	207	+541	4.574	14	+ 9	18.404	61	4.074	340
12.524	0.6980	0.39951	206	+505	4.588	14	− 34	18.465	55	3.734	342
13.522	0.7007	+0.40157	205	+384	−4.602	13	− 71	+18.520	50	−3.392	343
14.519	0.7034	0.40362	205	+206	4.615	12	− 90	18.570	45	3.049	344
15.516	0.7062	0.40567	203	+ 12	4.627	12	− 93	18.615	40	2.705	345
16.513	0.7089	0.40770	203	−169	4.639	11	− 77	18.655	34	2.360	346
17.511	0.7116	0.40973	202	−303	4.650	11	− 50	18.689	29	2.014	346
18.508	0.7143	0.41175	202	−381	4.661	10	− 12	18.718	23	1.668	347
19.505	0.7171	+0.41377	202	−392	−4.671	9	+ 26	+18.741	18	−1.321	348
20.503	0.7198	0.41579	201	−341	4.680	9	+ 61	18.759	12	0.973	348
21.500	0.7225	0.41780	202	−233	4.689	8	+ 85	18.771	7	0.625	349
22.497	0.7253	0.41982	201	− 89	4.697	7	+ 97	18.778	1	−0.276	349
23.494	0.7280	0.42183	201	+ 70	4.704	7	+ 89	18.779	− 4	+0.073	349
24.492	0.7307	0.42384	201	+211	4.711	7	+ 64	18.775	9	0.422	349
25.489	0.7335	+0.42585	201	+299	−4.718	6	+ 27	+18.766	15	+0.771	349
26.486	0.7362	0.42786	202	+310	4.724	5	− 20	18.751	20	1.120	349
27.483	0.7389	0.42988	203	+235	4.729	4	− 64	18.731	26	1.469	349
28.481	0.7417	0.43191	203	+ 83	4.733	4	− 94	18.705	31	1.818	348
29.478	0.7444	0.43394	204	−110	4.737	3	−106	18.674	37	2.166	348
30.475	0.7471	0.43598	204	−299	4.740	2	− 92	18.637	42	2.514	347
Okt. 1.472	0.7498	+0.43802	205	−428	−4.742	1	− 56	+18.595	48	+2.861	347
2.470	0.7526	0.44007	207	−465	4.743	1	− 7	18.547	53	3.208	346
3.467	0.7553	0.44214	208	−388	4.744	0	+ 43	18.494	59	3.554	345
4.464	0.7580	0.44422	208	−214	4.744	0	+ 82	18.435	64	3.899	345
5.462	0.7608	0.44630	210	+ 22	4.744	1	+102	18.371	69	4.244	344
6.459	0.7635	0.44840	211	+261	4.743	1	+ 98	18.302	75	4.588	342
7.456	0.7662	+0.45051	213	+453	−4.742	2	+ 70	+18.227	80	+4.930	341
8.453	0.7690	0.45264	214	+558	4.740	2	+ 28	18.147	86	5.271	339
9.451	0.7717	0.45478	216	+558	4.738	3	− 18	18.061	91	5.610	338
10.448	0.7744	0.45694	218	+460	4.735	3	− 59	17.970	97	5.948	336
11.445	0.7771	0.45912	220	+294	4.732	4	− 86	17.873	102	6.284	334
12.442	0.7799	+0.46132		+ 95	−4.728		− 95	+17.771		+6.618	

Reduktionsgrößen 1928

für 12ʰ Sternzeit Greenwich

Welt-Zeit	t	A	Diff.	A′	B	Diff.	B′	C	Diff.	D	Diff.
1928	s			in 0.00001	″		″ in 0.001	″		″	
Okt. 12.442	0.7799	+0.46132	221	+ 95	−4.728	5	− 95	+17.771	108	+ 6.618	333
13.440	0.7826	0.46353	223	− 98	4.723	5	− 85	17.663	113	6.951	331
14.437	0.7853	0.46576	225	−257	4.718	6	− 62	17.550	118	7.282	329
15.434	0.7881	0.46801	227	−355	4.712	6	− 26	17.432	123	7.611	327
16.432	0.7908	0.47028	230	−392	4.706	7	+ 12	17.309	129	7.938	325
17.429	0.7935	0.47258	232	−362	4.699	7	+ 47	17.180	134	8.263	323
18.426	0.7963	+0.47490	234	−275	−4.692	7	+ 77	+17.046	138	+ 8.586	320
19.423	0.7990	0.47724	237	−144	4.685	8	+ 94	16.908	143	8.906	318
20.421	0.8017	0.47961	239	+ 10	4.677	8	+ 93	16.765	149	9.224	315
21.418	0.8045	0.48200	242	+155	4.669	9	+ 76	16.616	154	9.539	312
22.415	0.8072	0.48442	245	+259	4.660	9	+ 42	16.462	159	9.851	310
23.412	0.8099	0.48687	248	+294	4.651	9	− 1	16.303	164	10.161	307
24.410	0.8126	+0.48935	250	+248	−4.642	10	− 47	+16.139	169	+10.468	303
25.407	0.8154	0.49185	253	+119	4.632	10	− 83	15.970	174	10.771	300
26.404	0.8181	0.49438	255	− 64	4.622	10	−103	15.796	179	11.071	298
27.402	0.8208	0.49693	258	−263	4.612	10	−100	15.617	184	11.369	294
28.399	0.8236	0.49951	262	−418	4.602	11	− 73	15.433	188	11.663	291
29.396	0.8263	0.50213	265	−492	4.591	11	− 28	15.245	193	11.954	288
30.393	0.8290	+0.50478	267	−452	−4.580	12	+ 22	+15.052	198	+12.242	284
31.391	0.8318	0.50745	271	−305	4.568	11	+ 69	14.854	203	12.526	280
Nov. 1.388	0.8345	0.51016	274	− 80	4.557	12	+ 98	14.651	207	12.806	277
2.385	0.8372	0.51290	277	+175	4.545	12	+101	14.444	211	13.083	273
3.382	0.8399	0.51567	280	+402	4.533	12	+ 83	14.233	216	13.356	268
4.380	0.8427	0.51847	283	+552	4.521	12	+ 46	14.017	220	13.624	264
5.377	0.8454	+0.52130	287	+600	−4.509	12	0	+13.797	225	+13.888	261
6.374	0.8481	0.52417	290	+539	4.497	12	− 46	13.572	229	14.149	256
7.371	0.8509	0.52707	292	+392	4.485	12	− 78	13.343	233	14.405	252
8.369	0.8536	0.52999	296	+196	4.473	12	− 95	13.110	237	14.657	248
9.366	0.8563	0.53295	299	− 5	4.461	12	− 91	12.873	241	14.905	243
10.363	0.8591	0.53594	302	−184	4.449	12	− 72	12.632	245	15.148	239
11.361	0.8618	+0.53896	306	−307	−4.437	12	− 41	+12.387	249	+15.387	234
12.358	0.8645	0.54202	309	−371	4.425	12	− 3	12.138	253	15.621	229
13.355	0.8673	0.54511	312	−365	4.413	11	+ 36	11.885	257	15.850	225
14.352	0.8700	0.54823	315	−297	4.402	12	+ 68	11.628	261	16.075	220
15.350	0.8727	0.55138	318	−178	4.390	11	+ 89	11.367	264	16.295	214
16.347	0.8754	0.55456	321	− 34	4.379	11	+ 95	11.103	268	16.509	210
17.344	0.8782	+0.55777	324	+112	−4.368	11	+ 83	+10.835	271	+16.719	205
18.341	0.8809	0.56101	327	+230	4.357	11	+ 57	10.564	274	16.924	200
19.339	0.8836	0.56428	331	+289	4.346	10	+ 16	10.290	278	17.124	195
20.336	0.8864	0.56759	334	+268	4.336	10	− 29	10.012	281	17.319	189
21.333	0.8891	0.57093	336	+162	4.326	10	− 71	9.731	284	17.508	184
22.331	0.8918	+0.57429		− 12	−4.316		− 98	+ 9.447		+17.692	

Reduktionsgrößen 1928

für 12ʰ Sternzeit Greenwich

Welt-Zeit	t	A		A′	B		B′	C		D	
1928	"			in 0.00001	"		in 0.001 "	"		"	
Nov. 22.331	0.8918	+0.57429	339	− 12	−4.316	10	− 98	+9.447	287	+17.692	178
23.328	0.8946	0.57768	341	−217	4.306	9	−103	9.160	290	17.870	173
24.325	0.8973	0.58109	344	−402	4.297	9	− 86	8.870	293	18.043	167
25.322	0.9000	0.58453	347	−516	4.288	8	− 47	8.577	296	18.210	162
26.320	0.9027	0.58800	350	−526	4.280	8	+ 3	8.281	298	18.372	156
27.317	0.9055	0.59150	352	−418	4.272	7	+ 52	7.983	301	18.528	151
28.314	0.9082	+0.59502	354	−213	−4.265	7	+ 89	+7.682	303	+18.679	145
29.311	0.9109	0.59856	357	+ 46	4.258	7	+103	7.379	306	18.824	139
30.309	0.9137	0.60213	359	+301	4.251	6	+ 94	7.073	308	18.963	133
Dez. 1.306	0.9164	0.60572	361	+500	4.245	6	+ 63	6.765	310	19.096	127
2.303	0.9191	0.60933	363	+600	4.239	5	+ 18	6.455	313	19.223	121
3.301	0.9219	0.61296	366	+590	4.234	4	− 27	6.142	314	19.344	115
4.298	0.9246	+0.61662	367	+479	−4.230	4	− 67	+5.828	316	+19.459	109
5.295	0.9273	0.62029	369	+301	4.226	3	− 90	5.512	318	19.568	103
6.292	0.9301	0.62398	371	+ 95	4.223	3	− 93	5.194	320	19.671	97
7.290	0.9328	0.62769	373	− 98	4.220	2	− 82	4.874	321	19.768	91
8.287	0.9355	0.63142	374	−248	4.218	1	− 53	4.553	323	19.859	85
9.284	0.9382	0.63516	375	−334	4.217	1	− 17	4.230	324	19.944	78
10.281	0.9410	+0.63891	376	−352	−4.216	0	+ 21	+3.906	326	+20.022	72
11.279	0.9437	0.64267	378	−305	4.216	0	+ 58	3.580	327	20.094	67
12.276	0.9464	0.64645	379	−204	4.216	1	+ 82	3.253	328	20.161	60
13.273	0.9492	0.65024	380	− 65	4.217	1	+ 94	2.925	329	20.221	53
14.270	0.9519	0.65404	381	+ 85	4.218	2	+ 89	2.596	330	20.274	47
15.268	0.9546	0.65785	382	+214	4.220	3	+ 69	2.266	330	20.321	40
16.265	0.9574	+0.66167	383	+296	−4.223	3	+ 32	+1.936	331	+20.361	34
17.262	0.9601	0.66550	384	+304	4.226	4	− 12	1.605	332	20.395	28
18.260	0.9628	0.66934	384	+225	4.230	5	− 57	1.273	332	20.423	21
19.257	0.9655	0.67318	384	+ 68	4.235	5	− 90	0.941	333	20.444	15
20.254	0.9683	0.67702	384	−137	4.240	6	−104	0.608	333	20.459	8
21.251	0.9710	0.68086	385	−346	4.246	8	− 96	+0.275	333	20.467	2
22.249	0.9737	+0.68471	385	−505	−4.254	8	− 66	−0.058	333	+20.469	−4
23.246	0.9765	0.68856	384	−569	4.262	9	− 19	0.391	333	20.465	11
24.243	0.9792	0.69240	384	−517	4.271	10	+ 32	0.724	333	20.454	17
25.240	0.9819	0.69624	383	−351	4.281	10	+ 77	1.057	332	20.437	24
26.238	0.9847	0.70007	383	−108	4.291	11	+101	1.389	332	20.413	30
27.235	0.9874	0.70390	383	+162	4.302	11	+102	1.721	331	20.383	36
28.232	0.9901	+0.70773	382	+395	−4.313	12	+ 78	−2.052	331	+20.347	43
29.230	0.9928	0.71155	381	+548	4.325	12	+ 38	2.383	330	20.304	49
30.227	0.9956	0.71536	380	+592	4.337	13	− 10	2.713	329	20.255	56
31.224	0.9983	0.71916	379	+525	4.350	14	− 54	3.042	329	20.199	62
32.221	1.0010	+0.72295		+377	−4.364		− 85	−3.371		+20.137	

Übertragung mittlerer Sternörter

von dem Äquinoktium t_1 auf $t_2 = 1928.0$

t_1	$m^s(t_2-t_1)$	$\log[n^s(t_2-t_1)]$	$\log[n''(t_2-t_1)]$
1755	$+8^m\,51^s.326$	2.364110	3.540201
1790	7 3.876	2.265911	3.442002
1800	6 33.173	2.233232	3.409323
1810	6 2.467	2.197894	3.373985
1825	5 16.405	2.138836	3.314927
1830	+5 1.050	2.117221	3.293312
1835	4 45.695	2.094473	3.270564
1840	4 30.339	2.070468	3.246559
1845	4 14.983	2.045058	3.221149
1850	3 59.626	2.018071	3.194162
1855	+3 44.269	1.989294	3.165385
1860	3 28.911	1.958475	3.134566
1865	3 13.553	1.925301	3.101392
1870	2 58.194	1.889385	3.065476
1875	2 42.836	1.850228	3.026319
1880	+2 27.476	1.807189	2.983280
1885	2 12.115	1.759411	2.935502
1890	1 56.755	1.705723	2.881814
1895	1 41.394	1.64445	2.82054
1900	1 26.033	1.57309	2.74918
1905	+1 10.671	1.48765	2.66374
1910	0 55.308	1.38119	2.55728
1915	0 39.946	1.23986	2.41595
1920	0 24.582	1.02900	2.20509
1925	+0 9.218	0.60303	1.77912
1930	−0 6.146	0.42693_n	1.60302_n

Sind α_1, δ_1 die Koordinaten für t_1 und α_2, δ_2 jene für $t_2 = 1928.0$, ist ferner α', δ' der genäherte Sternort für die Zeit

$$\frac{1}{2}(t_1 + t_2),$$

so ist

$$\alpha_2 = \alpha_1 + m^s(t_2-t_1) + [n^s(t_2-t_1)] \sin \alpha' \operatorname{tg} \delta'$$
$$\delta_2 = \delta_1 + [n''(t_2-t_1)] \cos \alpha'$$

Übertragung mittlerer Polsternörter

von dem Äquinoktium t_1 auf $t_2 = 1928.0$

t_1	$90° - (N)$	$(m)+(N)-90°$	(n)
1755	+66′ 23″.85	+66′ 26″.22	+57′ 48″.75
1790	52 58.37	52 59.87	46 6.84
1800	49 8.19	49 9.48	42 46.30
1810	45 17.98	45 19.08	39 25.77
1825	39 32.64	39 33.48	34 24.98
1830	+37 37.52	+37 38.28	+32 44.72
1835	35 42.38	35 43.06	31 4.47
1840	33 47.25	33 47.86	29 24.21
1845	31 52.11	31 52.66	27 43.96
1850	29 56.96	29 57.45	26 3.70
1855	+28 1.81	+28 2.23	+24 23.46
1860	26 6.66	26 7.02	22 43.21
1865	24 11.49	24 11.81	21 2.96
1870	22 16.33	22 16.60	19 22.71
1875	20 21.16	20 21.38	17 42.47
1880	+18 25.98	+18 26.16	+16 2.23
1885	16 30.79	16 30.94	14 21.99
1890	14 35.60	14 35.72	12 41.75
1895	12 40.41	12 40.50	11 1.51
1900	10 45.21	10 45.28	9 21.28
1905	+ 8 50.01	+ 8 50.05	+ 7 41.05
1910	6 54.80	6 54.82	6 0.81
1915	4 59.59	4 59.60	4 20.58
1920	3 4.36	3 4.37	2 40.36
1925	+ 1 9.14	+ 1 9.14	+ 1 0.13
1930	− 0 46.09	− 0 46.09	− 0 40.09

Sind α_1, δ_1 die Koordinaten für t_1 und α_2, δ_2 jene für $t_2 = 1928.0$, so hat man

zur Reduktion von dem Äquinoktium t_1 auf t_2:

$$a_1 = \alpha_1 + [90° - (N)]$$

$$p_1 = \left(\operatorname{tang}\delta_1 + \cos a_1 \operatorname{tang}\tfrac{1}{2}(n)\right)\sin(n)$$

$$\operatorname{tang}\Delta a_1 = \frac{p_1 \sin a_1}{1 - p_1 \cos a_1}$$

$$\alpha_2 = a_1 + [(m)+(N)-90°] + \Delta a_1$$

$$\operatorname{tang}\tfrac{1}{2}(\delta_2 - \delta_1) = \cos\left(a_1 + \tfrac{1}{2}\Delta a_1\right)\sec\tfrac{1}{2}\Delta a_1 \operatorname{tang}\tfrac{1}{2}(n)$$

zur Reduktion von dem Äquinoktium t_2 auf t_1:

$$a_2 = \alpha_2 - [(m) + (N) - 90°]$$

$$p_2 = -\left(\operatorname{tang}\delta_2 - \cos a_2 \operatorname{tang}\tfrac{1}{2}(n)\right)\sin(n)$$

$$\operatorname{tang}\Delta a_2 = \frac{p_2 \sin a_2}{1 - p_2 \cos a_2}$$

$$\alpha_1 = a_2 - [90° - (N)] + \Delta a_2$$

$$\operatorname{tang}\tfrac{1}{2}(\delta_1 - \delta_2) = -\cos\left(a_2 + \tfrac{1}{2}\Delta a_2\right)\sec\tfrac{1}{2}\Delta a_2 \operatorname{tang}\tfrac{1}{2}(n)$$

Reduktion scheinbarer Rektaszensions- und Deklinations-Differenzen auf mittlere für den Jahresanfang.

Die Tafeln der Werte p, q, r (in Einheiten der vierten Dezimale) auf Seite 264*—275* sollen zur bequemen Reduktion scheinbarer Rektaszensions- und Deklinationsdifferenzen auf mittlere, für den Jahresanfang geltende, dienen.

Ist $\Delta\alpha^{m}$ die gemessene scheinbare Rektaszensionsdifferenz in Zeitminuten,
$\Delta\delta'$ » » » Deklinationsdifferenz in Bogenminuten,
beides im Sinne Objekt minus Stern, so sind die an diesen Größen anzubringenden Korrektionen in Zeit- bez. Bogensekunden gegeben durch die Ausdrücke:

Korr. für $\Delta\alpha = p.\Delta\alpha^{m}.\sec\delta + q.\Delta\delta'.\frac{1}{15}\sec^{2}\delta$ in Zeitsekunden

Korr. für $\Delta\delta = -q.15.\Delta\alpha^{m} + r.\Delta\delta'$ in Bogensekunden.

Die Werte $\sec\delta$ und $\frac{1}{15}\sec^{2}\delta$ sind in nachstehender Tafel enthalten.

δ	$\sec\delta$	$\frac{1}{15}\sec^{2}\delta$	δ	$\sec\delta$	$\frac{1}{15}\sec^{2}\delta$
0°	1.00	0.07	63°	2.20	0.32
5	1.00	0.07	64	2.28	0.35
10	1.02	0.07	65	2.37	0.37
15	1.04	0.07	66	2.46	0.40
20	1.06	0.08	67	2.56	0.44
25	1.10	0.08	68	2.67	0.48
30	1.15	0.09	69	2.79	0.52
35	1.22	0.10	70	2.92	0.57
40	1.31	0.11	71	3.07	0.63
40°	1.31	0.11	72	3.24	0.70
42	1.35	0.12	73	3.42	0.78
44	1.39	0.13	74	3.63	0.88
46	1.44	0.14	75	3.86	1.00
48	1.49	0.15	75.0°	3.86	1.00
50	1.56	0.16	75.5	3.99	1.06
52	1.62	0.18	76.0	4.13	1.14
54	1.70	0.19	76.5	4.28	1.22
56	1.79	0.21	77.0	4.45	1.32
58	1.89	0.24	77.5	4.62	1.42
60	2.00	0.27	78.0	4.81	1.54
60°	2.00	0.27	78.5	5.02	1.68
61	2.06	0.28	79.0	5.24	1.83
62	2.13	0.30	79.5	5.49	2.01
63	2.20	0.32	80.0	5.76	2.21

Reduktionsgrößen 1928

p, 1928 Januar 15

δ / α	−80°	−60°	−40°	−20°	0°	+20°	+40°	+60°	+80°	δ / α
0h	−70	−68	−65	−60	−55	−49	−44	−41	−39	12h
1	−72	−71	−68	−63	−58	−54	−49	−46	−44	13
2	−69	−68	−66	−62	−58	−54	−51	−48	−47	14
3	−62	−61	−59	−57	−54	−51	−49	−47	−46	15
4	−50	−49	−48	−47	−46	−45	−44	−43	−43	16
5	−34	−34	−35	−35	−35	−36	−36	−36	−36	17
6	−17	−17	−19	−20	−22	−24	−25	−26	−27	18
7	+ 2	+ 1	− 1	− 4	− 7	−10	−13	−15	−16	19
8	+21	+19	+16	+13	+ 8	+ 4	0	− 3	− 4	20
9	+38	+36	+33	+28	+23	+18	+13	+10	+ 8	21
10	+53	+51	+47	+42	+36	+31	+26	+22	+20	22
11	+64	+62	+58	+53	+47	+41	+36	+32	+30	23
12	+70	+68	+65	+60	+55	+49	+44	+41	+39	24

q, 1928 Januar 15

δ / α	−80°	−60°	−40°	−20°	0°	+20°	+40°	+60°	+80°	δ / α
0h	−16	−14	− 9	− 2	+ 5	+13	+19	+24	+27	12h
1	+ 2	+ 3	+ 5	+ 7	+ 9	+12	+14	+15	+16	13
2	+21	+20	+18	+15	+13	+10	+ 7	+ 5	+ 4	14
3	+38	+35	+30	+23	+15	+ 7	0	− 5	− 8	15
4	+52	+48	+40	+29	+16	+ 4	− 7	−15	−19	16
5	+63	+58	+47	+33	+17	+ 1	−13	−24	−29	17
6	+70	+63	+51	+35	+16	− 3	−19	−31	−38	18
7	+72	+65	+52	+34	+14	− 6	−23	−36	−43	19
8	+69	+62	+49	+31	+11	− 9	−26	−39	−46	20
9	+61	+54	+42	+26	+ 8	−11	−27	−39	−46	21
10	+49	+44	+33	+19	+ 4	−12	−26	−36	−42	22
11	+34	+30	+22	+11	− 1	−13	−24	−31	−36	23
12	+16	+14	+ 9	+ 2	− 5	−13	−19	−24	−27	24

r, 1928 Januar 15

δ / α	−80°	−60°	−40°	−20°	0°	+20°	+40°	+60°	+80°	
0h	0	−19	−36	−48	−55	−54	−48	−36	−19	12h
1	− 1	−21	−39	−52	−58	−58	−51	−37	−20	13
2	− 1	−21	−38	−52	−58	−58	−51	−37	−20	14
3	0	−19	−35	−48	−54	−54	−48	−35	−19	15
4	+ 1	−15	−29	−40	−46	−47	−42	−31	−17	16
5	+ 3	− 9	−21	−30	−35	−36	−33	−26	−16	17
6	+ 6	− 3	−11	−17	−22	−24	−23	−19	−13	18
7	+ 8	+ 5	+ 1	− 3	− 7	−10	−12	−12	−11	19
8	+11	+12	+12	+11	+ 8	+ 5	0	− 4	− 8	20
9	+13	+20	+24	+25	+23	+18	+12	+ 3	− 5	21
10	+16	+26	+34	+37	+36	+31	+22	+10	− 3	22
11	+18	+32	+42	+47	+47	+41	+30	+15	− 1	23
12	+19	+36	+48	+54	+55	+48	+36	+19	0	24
	+80°	+60°	+40°	+20°	0°	−20°	−40°	−60°	−80°	α / δ

Bei der Tafel für *r* wird mit der Deklination für $0^h \leqq \alpha \leqq 12^h$ in die obere, für $12^h \leqq \alpha \leqq 24^h$ in die untere Argumentenzeile eingegangen.

Die Einheit der Tafelwerte ist 0.0001. Die Vorzeichen gelten für $0^h \leqq \alpha \leqq 12^h$; liegt α zwischen 12^h und 24^h, so sind bei allen Tafeln die Vorzeichen umzukehren.

Korr. $(\Delta\alpha)^s = p \,.\, \Delta\alpha^m \,.\, \sec\delta + q \,.\, \Delta\delta' \,.\, \frac{1}{15} \sec^2\delta$; Korr. $(\Delta\delta)'' = -q \,.\, 15 \,.\, \Delta\alpha^m + r \,.\, \Delta\delta'$

p, 1928 Februar 15

α \ δ	−80°	−60°	−40°	−20°	0°	+20°	+40°	+60°	+80°	δ \ α
0h	−44	−43	−41	−38	−34	−30	−27	−25	−24	12h
1	−53	−52	−50	−47	−44	−42	−39	−37	−36	13
2	−57	−56	−55	−54	−52	−50	−48	−47	−47	14
3	−58	−58	−57	−56	−56	−55	−54	−54	−54	15
4	−54	−55	−55	−55	−56	−56	−57	−57	−57	16
5	−48	−48	−49	−50	−52	−54	−55	−56	−57	17
6	−37	−38	−40	−42	−45	−47	−50	−51	−52	18
7	−25	−26	−28	−31	−34	−38	−41	−43	−44	19
8	−10	−11	−14	−18	−22	−26	−29	−32	−33	20
9	+5	+4	+1	−3	−8	−12	−16	−19	−20	21
10	+20	+18	+15	+12	+7	+3	−1	−4	−6	22
11	+33	+32	+29	+26	+21	+17	+14	+11	+9	23
12	+44	+43	+41	+38	+34	+30	+27	+25	+24	24

q, 1928 Februar 15

α \ δ	−80°	−60°	−40°	−20°	0°	+20°	+40°	+60°	+80°	δ \ α
0h	−36	−31	−21	−8	+8	+23	+36	+46	+52	12h
1	−24	−20	−12	−2	+10	+22	+32	+40	+44	13
2	−10	−7	−2	+4	+12	+19	+26	+31	+33	14
3	+5	+6	+8	+10	+13	+15	+18	+19	+20	15
4	+20	+19	+17	+15	+13	+10	+8	+7	+6	16
5	+33	+31	+26	+20	+12	+5	−2	−6	−9	17
6	+44	+40	+32	+22	+11	−1	−11	−19	−23	18
7	+52	+47	+37	+23	+8	−7	−20	−30	−36	19
8	+56	+50	+39	+23	+5	−12	−28	−40	−46	20
9	+57	+50	+38	+21	+2	−17	−34	−46	−53	21
10	+54	+47	+35	+18	−1	−20	−37	−50	−56	22
11	+47	+40	+29	+13	−5	−22	−38	−50	−56	23
12	+36	+31	+21	+8	−8	−23	−36	−46	−52	24

r, 1928 Februar 15

α \ δ	−80°	−60°	−40°	−20°	0°	+20°	+40°	+60°	+80°	
0h	+13	0	−14	−26	−34	−39	−39	−34	−25	12h
1	+11	−5	−22	−35	−44	−48	−47	−39	−27	13
2	+10	−9	−27	−42	−52	−55	−52	−43	−28	14
3	+9	−11	−30	−46	−56	−59	−55	−45	−29	15
4	+9	−11	−30	−46	−56	−59	−55	−45	−29	16
5	+10	−9	−27	−42	−52	−56	−52	−43	−28	17
6	+11	−6	−22	−36	−45	−49	−47	−39	−27	18
7	+13	0	−14	−26	−34	−39	−39	−34	−25	19
8	+15	+6	−4	−14	−22	−27	−29	−28	−23	20
9	+18	+13	+7	0	−8	−14	−18	−21	−20	21
10	+20	+20	+18	+13	+7	0	−7	−13	−18	22
11	+23	+27	+29	+27	+21	+13	+4	−6	−15	23
12	+25	+34	+39	+39	+34	+26	+14	0	−13	24
	+80°	+60°	+40°	+20°	0°	−20°	−40°	−60°	−80°	δ \ α

Bei der Tafel für r wird mit der Deklination für $0^h \leqq \alpha \leqq 12^h$ in die obere, für $12^h \leqq \alpha \leqq 24^h$ in die untere Argumentenzeile eingegangen.

Die Einheit der Tafelwerte ist 0.0001. Die Vorzeichen gelten für $0^h \leqq \alpha \leqq 12^h$; liegt α zwischen 12^h und 24^h, so sind bei allen Tafeln die Vorzeichen umzukehren.

$$\text{Korr. } (\Delta\alpha)^s = p \,.\, \Delta\alpha^m \,.\, \sec\delta + q \,.\, \Delta\delta' \,.\, \frac{1}{15} \sec^2\delta; \quad \text{Korr. } (\Delta\delta)'' = -q \,.\, 15 \,.\, \Delta\alpha^m + r \,.\, \Delta\delta'$$

Reduktionsgrößen 1928

p, 1928 März 15

α \ δ	−80°	−60°	−40°	−20°	0°	+20°	+40°	+60°	+80°	δ / α
0h	−13	−12	−10	− 8	− 6	− 4	− 2	0	+ 1	12h
1	−24	−24	−23	−21	−20	−18	−17	−16	−16	13
2	−34	−34	−33	−33	−32	−32	−32	−31	−31	14
3	−41	−41	−42	−42	−43	−43	−44	−44	−44	15
4	−46	−46	−47	−48	−50	−52	−53	−54	−55	16
5	−47	−48	−50	−52	−54	−57	−59	−60	−61	17
6	−45	−46	−48	−51	−54	−58	−60	−62	−64	18
7	−40	−42	−44	−47	−51	−55	−58	−60	−62	19
8	−33	−34	−37	−40	−44	−48	−51	−54	−55	20
9	−23	−24	−27	−30	−34	−38	−42	−44	−46	21
10	−12	−13	−15	−18	−22	−26	−29	−31	−32	22
11	+ 1	0	− 2	− 5	− 8	−11	−14	−16	−17	23
12	+13	+12	+10	+ 8	+ 6	+ 4	+ 2	0	− 1	24

q, 1928 März 15

α \ δ	−80°	−60°	−40°	−20°	0°	+20°	+40°	+60°	+80°	δ / α
0h	−44	−38	−26	− 9	+ 9	+28	+44	+56	+63	12h
1	−39	−33	−22	− 7	+11	+28	+44	+55	+61	13
2	−32	−27	−17	− 4	+12	+26	+40	+50	+55	14
3	−22	−18	−11	0	+12	+23	+34	+41	+45	15
4	−11	− 8	− 4	+ 3	+11	+18	+25	+30	+32	16
5	+ 1	+ 2	+ 4	+ 6	+ 9	+12	+14	+16	+17	17
6	+13	+12	+11	+ 9	+ 7	+ 5	+ 3	+ 2	+ 1	18
7	+24	+21	+17	+11	+ 4	− 3	− 9	−13	−15	19
8	+33	+29	+22	+12	+ 1	−10	−20	−27	−31	20
9	+40	+35	+26	+13	− 2	−16	−29	−39	−44	21
10	+45	+39	+28	+12	− 5	−22	−37	−48	−54	22
11	+46	+40	+28	+11	− 7	−26	−42	−54	−60	23
12	+44	+38	+26	+ 9	− 9	−28	−44	−56	−63	24

r, 1928 März 15

α \ δ	−80°	−60°	−40°	−20°	0°	+20°	+40°	+60°	+80°	
0h	+22	+17	+10	+ 2	− 6	−14	−20	−23	−24	12h
1	+20	+10	0	−11	−20	−27	−30	−30	−27	13
2	+18	+ 4	−10	−22	−32	−38	−40	−37	−29	14
3	+16	− 1	−18	−32	−43	−48	−48	−42	−31	15
4	+14	− 5	−23	−39	−50	−55	−54	−45	−32	16
5	+14	− 7	−26	−43	−54	−59	−57	−47	−33	17
6	+14	− 7	−26	−43	−54	−59	−57	−48	−33	18
7	+14	− 5	−24	−40	−51	−56	−54	−46	−32	19
8	+15	− 2	−18	−33	−44	−50	−49	−42	−31	20
9	+17	+ 3	−11	−24	−34	−40	−41	−38	−29	21
10	+19	+ 9	− 2	−12	−22	−29	−32	−31	−27	22
11	+22	+16	+ 9	0	− 8	−16	−22	−24	−25	23
12	+24	+23	+20	+14	+ 6	− 2	−10	−17	−22	24
	+80°	+60°	+40°	+20°	0°	−20°	−40°	−60°	−80°	α / δ

Bei der Tafel für r wird mit der Deklination für $0^h \leqq \alpha \leqq 12^h$ in die obere, für $12^h \leqq \alpha \leqq 24^h$ in die untere Argumentenzeile eingegangen.

Die Einheit der Tafelwerte ist 0.0001. Die Vorzeichen gelten für $0^h \leqq \alpha \leqq 12^h$; liegt α zwischen 12^h und 24^h, so sind bei allen Tafeln die Vorzeichen umzukehren.

Korr. $(\Delta\alpha)^s = p \,.\, \Delta\alpha^m \,.\, \sec\delta + q \,.\, \Delta\delta' \,.\, \frac{1}{15} \sec^2\delta$; Korr. $(\Delta\delta)'' = -q \,.\, 15 \,.\, \Delta\alpha^m + r \,.\, \Delta\delta'$

p, 1928 April 15

α \ δ	−80°	−60°	−40°	−20°	0°	+20°	+40°	+60°	+80°	δ \ α
0^h	+22	+22	+23	+24	+25	+26	+27	+28	+28	12^h
1	+11	+11	+11	+11	+11	+12	+12	+12	+12	13
2	−1	−2	−2	−2	−3	−4	−4	−5	−5	14
3	−13	−14	−14	−16	−17	−19	−20	−21	−22	15
4	−24	−25	−26	−28	−30	−33	−35	−36	−37	16
5	−33	−34	−36	−39	−41	−44	−47	−49	−50	17
6	−40	−41	−44	−46	−50	−53	−56	−58	−59	18
7	−44	−46	−48	−51	−54	−58	−61	−63	−64	19
8	−46	−47	−49	−52	−55	−59	−62	−64	−65	20
9	−44	−45	−47	−50	−53	−56	−58	−60	−62	21
10	−39	−40	−42	−44	−46	−49	−51	−53	−54	22
11	−32	−32	−34	−35	−37	−39	−40	−42	−42	23
12	−22	−22	−23	−24	−25	−26	−27	−28	−28	24

q, 1928 April 15

α \ δ	−80°	−60°	−40°	−20°	0°	+20°	+40°	+60°	+80°	δ \ α
0^h	−39	−34	−22	−8	+10	+26	+41	+52	+58	12^h
1	−44	−37	−25	−9	+10	+29	+45	+57	+64	13
2	−45	−38	−26	−9	+10	+29	+45	+58	+64	14
3	−43	−37	−25	−9	+9	+27	+43	+54	+61	15
4	−38	−33	−22	−8	+8	+23	+37	+48	+53	16
5	−31	−26	−18	−7	+6	+18	+29	+38	+42	17
6	−22	−19	−13	−6	+3	+12	+19	+25	+28	18
7	−10	−9	−7	−3	+1	+4	+8	+10	+12	19
8	+1	+1	0	−1	−2	−3	−4	−5	−5	20
9	+13	+11	+7	+2	−4	−10	−16	−20	−22	21
10	+23	+20	+13	+4	−7	−17	−26	−33	−37	22
11	+32	+28	+18	+6	−8	−22	−35	−44	−49	23
12	+39	+34	+22	+8	−10	−26	−41	−52	−58	24

r, 1928 April 15

α \ δ	−80°	−60°	−40°	−20°	0°	+20°	+40°	+60°	+80°	
0^h	+26	+31	+33	+31	+25	+16	+5	−6	−17	12^h
1	+23	+24	+22	+18	+11	+3	−5	−13	−19	13
2	+21	+17	+11	+4	−3	−10	−16	−20	−22	14
3	+18	+10	0	−9	−17	−24	−27	−27	−24	15
4	+16	+3	−10	−21	−30	−36	−37	−34	−26	16
5	+14	−2	−18	−32	−41	−46	−46	−39	−28	17
6	+13	−6	−24	−39	−50	−54	−52	−43	−30	18
7	+12	−8	−28	−44	−54	−58	−55	−46	−31	19
8	+12	−9	−29	−45	−55	−60	−56	−46	−31	20
9	+12	−8	−27	−42	−53	−57	−54	−45	−30	21
10	+13	−5	−22	−36	−46	−51	−49	−42	−29	22
11	+15	0	−14	−27	−37	−42	−42	−37	−28	23
12	+17	+6	−5	−16	−25	−31	−33	−31	−26	24
	+80°	+60°	+40°	+20°	0°	−20°	−40°	−60°	−80°	α \ δ

Bei der Tafel für r wird mit der Deklination für $0^h \leq \alpha \leq 12^h$ in die obere, für $12^h \leq \alpha \leq 24^h$ in die untere Argumentenzeile eingegangen.

Die Einheit der Tafelwerte ist 0.0001. Die Vorzeichen gelten für $0^h \leq \alpha \leq 12^h$; liegt α zwischen 12^h und 24^h, so sind bei allen Tafeln die Vorzeichen umzukehren.

Korr. $(\Delta\alpha)^s = p \,.\, \Delta\alpha^m \,.\, \sec\delta + q \,.\, \Delta\delta' \,.\, \frac{1}{15} \sec^2\delta$; Korr. $(\Delta\delta)'' = -q \,.\, 15 \,.\, \Delta\alpha^m + r \,.\, \Delta\delta'$

Reduktionsgrößen 1928

p, 1928 Mai 15

δ / α	−80°	−60°	−40°	−20°	0°	+20°	+40°	+60°	+80°	δ / α
0^h	+50	+49	+49	+49	+48	+48	+47	+47	+47	12^h
1	+42	+41	+40	+39	+38	+37	+36	+35	+35	13
2	+31	+30	+29	+28	+26	+24	+22	+21	+20	14
3	+18	+18	+16	+14	+11	+ 9	+ 7	+ 5	+ 4	15
4	+ 4	+ 3	+ 2	− 1	− 4	− 7	− 9	−11	−12	16
5	−10	−11	−13	−16	−19	−22	−24	−26	−27	17
6	−24	−25	−27	−29	−32	−35	−38	−40	−41	18
7	−36	−37	−38	−41	−44	−46	−49	−50	−51	19
8	−45	−46	−48	−50	−52	−54	−56	−58	−58	20
9	−52	−52	−54	−55	−57	−58	−60	−61	−62	21
10	−55	−55	−56	−57	−58	−59	−60	−60	−61	22
11	−54	−54	−54	−54	−55	−55	−55	−56	−56	23
12	−50	−49	−49	−49	−48	−48	−47	−47	−47	24

q, 1928 Mai 15

δ / α	−80°	−60°	−40°	−20°	0°	+20°	+40°	+60°	+80°	δ / α
0^h	−23	−19	−12	− 2	+ 9	+20	+29	+37	+40	12^h
1	−35	−30	−20	− 7	+ 8	+23	+36	+46	+51	13
2	−44	−38	−27	−11	+ 7	+24	+40	+52	+58	14
3	−51	−44	−32	−14	+ 5	+24	+42	+54	+61	15
4	−54	−47	−34	−17	+ 3	+23	+40	+53	+60	16
5	−53	−47	−34	−18	+ 1	+20	+36	+48	+55	17
6	−49	−43	−32	−18	− 2	+15	+29	+40	+46	18
7	−41	−37	−28	−17	− 4	+10	+21	+30	+34	19
8	−31	−28	−22	−14	− 6	+ 3	+11	+16	+20	20
9	−18	−17	−14	−11	− 7	− 3	0	+ 3	+ 4	21
10	− 5	− 5	− 6	− 7	− 8	−10	−11	−12	−12	22
11	+10	+ 7	+ 3	− 2	− 9	−15	−21	−25	−27	23
12	+23	+19	+12	+ 2	− 9	−20	−29	−37	−40	24

r, 1928 Mai 15

δ / α	−80°	−60°	−40°	−20°	0°	+20°	+40°	+60°	+80°	
0^h	+22	+36	+46	+50	+48	+40	+28	+12	− 5	12^h
1	+20	+31	+38	+41	+38	+31	+20	+ 7	− 7	13
2	+18	+25	+29	+29	+26	+19	+11	+ 1	− 9	14
3	+16	+18	+18	+15	+11	+ 6	0	− 6	−12	15
4	+13	+10	+ 6	+ 1	− 4	− 8	−12	−14	−14	16
5	+11	+ 3	− 5	−13	−19	−22	−23	−21	−17	17
6	+ 8	− 4	−16	−26	−32	−35	−34	−28	−19	18
7	+ 6	−10	−24	−36	−44	−46	−42	−34	−21	19
8	+ 5	−14	−31	−44	−52	−54	−49	−38	−23	20
9	+ 4	−16	−34	−49	−57	−58	−52	−40	−24	21
10	+ 4	−17	−35	−50	−58	−59	−53	−41	−24	22
11	+ 4	−15	−33	−47	−55	−56	−51	−40	−23	23
12	+ 5	−12	−28	−40	−48	−50	−46	−36	−22	24
	+80°	+60°	+40°	+20°	0°	−20°	−40°	−60°	−80°	α / δ

Bei der Tafel für *r* wird mit der Deklination für $0^h \leqq \alpha \leqq 12^h$ in die obere, für $12^h \leqq \alpha \leqq 24^h$ in die untere Argumentenzeile eingegangen.

Die Einheit der Tafelwerte ist 0.0001. Die Vorzeichen gelten für $0^h \leqq \alpha \leqq 12^h$; liegt α zwischen 12^h und 24^h, so sind bei allen Tafeln die Vorzeichen umzukehren.

Korr. $(\Delta\alpha)^s = p \,.\, \Delta\alpha^m \,.\, \sec\delta + q \,.\, \Delta\delta' \,.\, \frac{1}{15} \sec^2\delta$; Korr. $(\Delta\delta)'' = -q \,.\, 15 \,.\, \Delta\alpha^m + r \,.\, \Delta\delta'$

p, 1928 Juni 15

α \ δ	−80°	−60°	−40°	−20°	0°	+20°	+40°	+60°	+80°	α \ δ
0^h	+67	+66	+64	+62	+59	+57	+54	+52	+52	12^h
1	+65	+64	+62	+59	+56	+52	+50	+47	+46	13
2	+59	+58	+55	+52	+48	+45	+41	+39	+38	14
3	+49	+47	+45	+41	+38	+34	+30	+28	+26	15
4	+35	+34	+31	+28	+24	+20	+17	+15	+14	16
5	+19	+18	+16	+13	+10	+ 6	+ 3	+ 1	0	17
6	+ 2	+ 1	− 1	− 3	− 6	− 9	−11	−13	−14	18
7	−15	−16	−17	−19	−21	−23	−25	−26	−27	19
8	−32	−32	−33	−34	−35	−36	−37	−38	−38	20
9	−46	−46	−46	−46	−46	−46	−46	−46	−47	21
10	−57	−56	−56	−55	−54	−53	−53	−52	−52	22
11	−64	−63	−62	−60	−59	−57	−55	−54	−54	23
12	−67	−66	−64	−62	−59	−57	−54	−52	−52	24

q, 1928 Juni 15

α \ δ	−80°	−60°	−40°	−20°	0°	+20°	+40°	+60°	+80°	α \ δ
0^h	+ 2	+ 3	+ 4	+ 6	+ 8	+10	+12	+14	+14	12^h
1	−15	−12	− 8	− 1	+ 6	+13	+20	+24	+27	13
2	−31	−27	−19	− 8	+ 3	+15	+26	+34	+38	14
3	−45	−39	−29	−15	0	+16	+30	+40	+46	15
4	−56	−50	−37	−21	− 2	+16	+32	+44	+51	16
5	−63	−56	−43	−25	− 5	+15	+32	+46	+52	17
6	−66	−59	−46	−28	− 8	+12	+30	+44	+51	18
7	−64	−58	−45	−28	−10	+ 9	+26	+39	+45	19
8	−58	−53	−42	−27	−11	+ 6	+20	+31	+37	20
9	−48	−44	−35	−24	−11	+ 2	+13	+21	+26	21
10	−35	−32	−27	−19	−11	− 3	+ 5	+10	+13	22
11	−19	−18	−16	−13	−10	− 7	− 4	− 2	− 1	23
12	− 2	− 3	− 4	− 6	− 8	−10	−12	−14	−14	24

r, 1928 Juni 15

α \ δ	−80°	−60°	−40°	−20°	0°	+20°	+40°	+60°	+80°	
0^h	+13	+32	+47	+56	+59	+55	+44	+27	+ 8	12^h
1	+12	+30	+44	+53	+56	+51	+41	+26	+ 7	13
2	+11	+26	+39	+46	+48	+44	+35	+22	+ 6	14
3	+ 9	+21	+30	+36	+38	+34	+27	+16	+ 4	15
4	+ 7	+14	+20	+24	+24	+22	+17	+10	+ 2	16
5	+ 4	+ 7	+ 9	+10	+10	+ 8	+ 6	+ 2	− 1	17
6	+ 2	− 1	− 3	− 5	− 6	− 7	− 6	− 5	− 4	18
7	− 1	− 8	−14	−19	−21	−21	−18	−13	− 6	19
8	− 4	−15	−25	−32	−35	−34	−28	−20	− 9	20
9	− 5	−21	−34	−42	−46	−44	−37	−25	−11	21
10	− 7	−25	−40	−50	−54	−52	−43	−29	−12	22
11	− 8	−27	−43	−54	−59	−56	−47	−32	−13	23
12	− 8	−27	−44	−55	−59	−56	−47	−32	−13	24
	+80°	+60°	+40°	+20°	0°	−20°	−40°	−60°	−80°	δ \ α

Bei der Tafel für r wird mit der Deklination für $0^h \leqq \alpha \leqq 12^h$ in die obere, für $12^h \leqq \alpha \leqq 24^h$ in die untere Argumentenzeile eingegangen.

Die Einheit der Tafelwerte ist 0.0001. Die Vorzeichen gelten für $0^h \leqq \alpha \leqq 12^h$; liegt α zwischen 12^h und 24^h, so sind bei allen Tafeln die Vorzeichen umzukehren.

Korr. $(\Delta\alpha)^s = p \,.\, \Delta\alpha^m \,.\, \sec\delta + q \,.\, \Delta\delta' \,.\, \frac{1}{15} \sec^2\delta$; Korr. $(\Delta\delta)'' = -q \,.\, 15 \,.\, \Delta\alpha^m + r \,.\, \Delta\delta'$

Reduktionsgrößen 1928

p, 1928 Juli 15

δ \ α	−80°	−60°	−40°	−20°	0°	+20°	+40°	+60°	+80°	δ \ α
0^h	+69	+67	+64	+60	+55	+50	+46	+43	+41	12^h
1	+74	+72	+69	+64	+59	+53	+48	+45	+43	13
2	+74	+73	+69	+64	+58	+52	+47	+44	+42	14
3	+70	+68	+64	+59	+54	+48	+43	+39	+37	15
4	+60	+59	+55	+51	+46	+40	+36	+32	+31	16
5	+47	+45	+42	+39	+34	+30	+26	+23	+22	17
6	+30	+29	+27	+24	+21	+18	+15	+13	+11	18
7	+11	+10	+ 9	+ 8	+ 6	+ 4	+ 2	+ 1	0	19
8	− 8	− 9	− 9	− 9	−10	−10	−10	−11	−11	20
9	−28	−27	−26	−25	−24	−23	−22	−22	−21	21
10	−45	−44	−42	−40	−38	−35	−33	−31	−30	22
11	−59	−57	−55	−52	−48	−44	−41	−38	−37	23
12	−69	−67	−64	−60	−55	−50	−46	−43	−41	24

q, 1928 Juli 15

δ \ α	−80°	−60°	−40°	−20°	0°	+20°	+40°	+60°	+80°	δ \ α
0^h	+30	+27	+23	+16	+ 9	+ 2	− 4	− 8	−11	12^h
1	+11	+10	+ 9	+ 7	+ 6	+ 4	+ 2	+ 1	0	13
2	− 8	− 7	− 5	− 2	+ 1	+ 4	+ 7	+10	+11	14
3	−27	−24	−19	−12	− 3	+ 5	+12	+18	+21	15
4	−44	−40	−32	−20	− 7	+ 6	+17	+25	+30	16
5	−58	−52	−42	−27	−11	+ 5	+20	+30	+36	17
6	−68	−62	−49	−33	−14	+ 5	+22	+34	+40	18
7	−74	−67	−54	−36	−16	+ 4	+22	+35	+42	19
8	−74	−67	−54	−37	−17	+ 3	+21	+34	+40	20
9	−69	−63	−51	−35	−16	+ 2	+18	+30	+36	21
10	−60	−54	−44	−31	−15	0	+14	+24	+30	22
11	−46	−42	−35	−24	−13	− 1	+ 9	+17	+21	23
12	−30	−27	−23	−16	− 9	− 2	+ 4	+ 8	+11	24

r, 1928 Juli 15

δ \ α	−80°	−60°	−40°	−20°	0°	+20°	+40°	+60°	+80°	
0^h	+ 1	+20	+36	+49	+55	+55	+48	+35	+18	12^h
1	+ 1	+22	+39	+52	+59	+58	+51	+37	+19	13
2	+ 1	+21	+39	+52	+58	+58	+50	+37	+19	14
3	0	+19	+35	+47	+54	+54	+47	+35	+18	15
4	− 1	+15	+29	+40	+46	+46	+41	+30	+17	16
5	− 3	+ 9	+20	+29	+34	+35	+32	+25	+15	17
6	− 5	+ 2	+10	+16	+21	+23	+22	+18	+12	18
7	− 8	− 5	− 1	+ 2	+ 6	+ 8	+10	+11	+10	19
8	−11	−13	−13	−12	−10	− 6	− 2	+ 3	+ 7	20
9	−13	−20	−24	−26	−24	−20	−13	− 4	+ 5	21
10	−15	−27	−35	−38	−38	−32	−23	−11	+ 2	22
11	−17	−32	−42	−48	−48	−42	−31	−16	+ 1	23
12	−18	−35	−48	−55	−55	−49	−36	−20	− 1	24
	+80°	+60°	+40°	+20°	0°	−20°	−40°	−60°	−80°	α \ δ

Bei der Tafel für r wird mit der Deklination für $0^h \leqq \alpha \leqq 12^h$ in die obere, für $12^h \leqq \alpha \leqq 24^h$ in die untere Argumentenzeile eingegangen.

Die Einheit der Tafelwerte ist 0.0001. Die Vorzeichen gelten für $0^h \leqq \alpha \leqq 12^h$; liegt α zwischen 12^h und 24^h, so sind bei allen Tafeln die Vorzeichen umzukehren.

Korr. $(\Delta\alpha)^s = p \,.\, \Delta\alpha^m \,.\, \sec\delta + q \,.\, \Delta\delta' \cdot \frac{1}{15} \sec^2\delta$; Korr. $(\Delta\delta)'' = -q \,.\, 15 \,.\, \Delta\alpha^m + r \,.\, \Delta\delta'$

p, 1928 August 15

δ / α	−80°	−60°	−40°	−20°	0°	+20°	+40°	+60°	+80°	δ / α
0h	+56	+54	+49	+43	+37	+30	+24	+20	+18	12h
1	+68	+66	+61	+54	+47	+39	+33	+28	+25	13
2	+76	+73	+68	+61	+53	+46	+39	+34	+31	14
3	+78	+76	+70	+64	+56	+49	+42	+37	+35	15
4	+75	+73	+68	+62	+56	+49	+43	+38	+36	16
5	+67	+65	+62	+57	+51	+46	+41	+37	+35	17
6	+54	+53	+50	+47	+43	+39	+36	+33	+32	18
7	+38	+37	+36	+34	+32	+30	+28	+27	+26	19
8	+19	+19	+19	+19	+19	+19	+19	+19	+19	20
9	− 1	0	+ 1	+ 2	+ 4	+ 6	+ 8	+ 9	+10	21
10	−21	−20	−17	−14	−10	− 6	− 3	− 1	+ 1	22
11	−40	−38	−34	−30	−24	−19	−14	−11	− 9	23
12	−56	−53	−49	−43	−37	−30	−24	−20	−18	24

q, 1928 August 15

δ / α	−80°	−60°	−40°	−20°	0°	+20°	+40°	+60°	+80°	δ / α
0h	+54	+49	+39	+26	+12	− 3	−16	−26	−31	12h
1	+38	+34	+27	+17	+ 6	− 5	−14	−22	−25	13
2	+19	+17	+12	+ 7	0	− 6	−12	−16	−18	14
3	− 1	− 2	− 3	− 4	− 6	− 7	− 8	− 9	−10	15
4	−21	−20	−18	−15	−11	− 8	− 4	− 2	− 1	16
5	−40	−37	−31	−24	−16	− 8	0	+ 5	+ 8	17
6	−56	−51	−43	−32	−20	− 7	+ 4	+12	+17	18
7	−68	−62	−52	−38	−22	− 6	+ 8	+19	+24	19
8	−75	−69	−57	−41	−23	− 4	+12	+24	+30	20
9	−78	−71	−58	−41	−22	− 3	+14	+27	+34	21
10	−75	−68	−56	−39	−20	− 1	+16	+28	+35	22
11	−67	−61	−49	−34	−16	+ 1	+17	+28	+34	23
12	−54	−49	−39	−26	−12	+ 3	+16	+26	+31	24

r, 1928 August 15

δ / α	−80°	−60°	−40°	−20°	0°	+20°	+40°	+60°	+80°	
0h	−12	+ 2	+16	+28	+37	+41	+40	+34	+25	12h
1	−10	+ 7	+24	+37	+47	+50	+48	+39	+26	13
2	− 9	+11	+29	+44	+53	+57	+53	+43	+28	14
3	− 8	+12	+31	+47	+56	+59	+55	+44	+28	15
4	− 9	+12	+31	+46	+56	+59	+55	+44	+28	16
5	− 9	+ 9	+27	+42	+51	+54	+51	+42	+27	17
6	−11	+ 5	+21	+34	+43	+47	+45	+38	+26	18
7	−13	0	+12	+24	+32	+36	+36	+32	+24	19
8	−15	− 7	+ 2	+11	+19	+24	+26	+26	+22	20
9	−18	−14	− 9	− 2	+ 4	+10	+15	+18	+19	21
10	−20	−21	−20	−16	−10	− 3	+ 4	+11	+16	22
11	−22	−28	−31	−29	−24	−16	− 7	+ 4	+14	23
12	−25	−34	−40	−41	−37	−28	−16	− 2	+12	24
	+80°	+60°	+40°	+20°	0°	−20°	−40°	−60°	−80°	α / δ

Bei der Tafel für *r* wird mit der Deklination für $0^h \leq \alpha \leq 12^h$ in die obere, für $12^h \leq \alpha \leq 24^h$ in die untere Argumentenzeile eingegangen.

Die Einheit der Tafelwerte ist 0.0001. Die Vorzeichen gelten für $0^h \leq \alpha \leq 12^h$; liegt α zwischen 12^h und 24^h, so sind bei allen Tafeln die Vorzeichen umzukehren.

Korr. $(\Delta\alpha)^s = p \,.\, \Delta\alpha^m \,.\, \sec\delta + q \,.\, \Delta\delta' \,.\, \frac{1}{15} \sec^2\delta$; Korr. $(\Delta\delta)'' = -q \,.\, 15 \,.\, \Delta\alpha^m + r \,.\, \Delta\delta'$

p, 1928 September 15

α \ δ	−80°	−60°	−40°	−20°	0°	+20°	+40°	+60°	+80°	δ / α
0ʰ	+32	+29	+24	+16	+8	0	−7	−12	−15	12ʰ
1	+48	+45	+39	+31	+22	+13	+5	−1	−4	13
2	+61	+58	+52	+44	+34	+25	+17	+11	+8	14
3	+70	+67	+61	+53	+44	+35	+27	+21	+18	15
4	+74	+71	+66	+59	+51	+43	+36	+31	+28	16
5	+73	+71	+67	+61	+54	+48	+42	+38	+36	17
6	+67	+66	+63	+59	+54	+49	+45	+42	+41	18
7	+57	+56	+54	+52	+50	+48	+46	+44	+43	19
8	+42	+42	+42	+42	+43	+43	+43	+43	+43	20
9	+25	+26	+28	+30	+32	+35	+37	+38	+39	21
10	+6	+8	+11	+15	+20	+24	+28	+32	+33	22
11	−13	−11	−6	−1	+6	+12	+18	+22	+25	23
12	−32	−29	−24	−16	−8	0	+7	+12	+15	24

q, 1928 September 15

α \ δ	−80°	−60°	−40°	−20°	0°	+20°	+40°	+60°	+80°	δ / α
0ʰ	+67	+60	+48	+32	+14	−5	−21	−33	−40	12ʰ
1	+56	+50	+39	+24	+7	−10	−25	−36	−42	13
2	+42	+37	+27	+14	0	−15	−28	−37	−42	14
3	+25	+21	+14	+4	−7	−18	−28	−35	−39	15
4	+6	+3	−1	−7	−14	−20	−26	−31	−33	16
5	−14	−14	−16	−17	−19	−21	−23	−24	−25	17
6	−32	−31	−29	−26	−24	−21	−18	−16	−15	18
7	−48	−45	−40	−34	−26	−19	−12	−7	−4	19
8	−61	−57	−49	−39	−27	−16	−5	+2	+7	20
9	−70	−64	−55	−41	−26	−11	+2	+12	+17	21
10	−74	−68	−56	−41	−24	−6	+9	+21	+27	22
11	−73	−66	−54	−38	−19	0	+16	+28	+34	23
12	−67	−60	−48	−32	−14	+5	+21	+33	+40	24

r, 1928 September 15

α \ δ	−80°	−60°	−40°	−20°	0°	+20°	+40°	+60°	+80°	
0ʰ	−22	−16	−9	0	+8	+16	+22	+25	+25	12ʰ
1	−19	−9	+2	+13	+22	+29	+32	+31	+27	13
2	−17	−3	+11	+24	+34	+40	+41	+38	+29	14
3	−15	+2	+19	+34	+44	+50	+49	+42	+31	15
4	−14	+5	+24	+40	+51	+56	+54	+46	+32	16
5	−14	+7	+27	+43	+54	+59	+57	+48	+33	17
6	−14	+7	+26	+43	+54	+59	+56	+47	+32	18
7	−14	+5	+23	+39	+50	+55	+54	+45	+32	19
8	−16	+1	+18	+32	+43	+48	+48	+42	+30	20
9	−18	−4	+10	+22	+32	+38	+40	+36	+29	21
10	−20	−11	0	+10	+20	+26	+30	+30	+26	22
11	−22	−18	−11	−2	+6	+14	+20	+23	+24	23
12	−25	−25	−22	−16	−8	0	+9	+16	+22	24
	+80°	+60°	+40°	+20°	0°	−20°	−40°	−60°	−80°	δ / α

Bei der Tafel für r wird mit der Deklination für $0^h \leq \alpha \leq 12^h$ in die **obere**, für $12^h \leq \alpha \leq 24^h$ in die **untere** Argumentenzeile eingegangen.

Die Einheit der Tafelwerte ist 0.0001. Die Vorzeichen gelten für $0^h \leq \alpha \leq 12^h$; liegt α zwischen 12^h und 24^h, so sind bei allen Tafeln die Vorzeichen umzukehren.

Korr. $(\Delta\alpha)^s = p \,.\, \Delta\alpha^m \,.\, \sec\delta + q \,.\, \Delta\delta' \,.\, \frac{1}{15} \sec^2\delta$; Korr. $(\Delta\delta)'' = -q \,.\, 15 \,.\, \Delta\alpha^m + r \,.\, \Delta\delta'$

p, 1928 Oktober 15

α \ δ	−80°	−60°	−40°	−20°	0°	+20°	+40°	+60°	+80°	δ / α
0^h	+ 5	+ 2	− 4	−12	−22	−31	−39	−45	−48	12^h
1	+22	+18	+11	+ 2	− 8	−18	−27	−34	−37	13
2	+36	+33	+26	+17	+ 7	− 4	−13	−20	−23	14
3	+49	+46	+39	+30	+21	+11	+ 2	− 4	− 8	15
4	+58	+55	+50	+42	+33	+24	+17	+11	+ 8	16
5	+64	+61	+57	+50	+44	+37	+30	+26	+24	17
6	+64	+63	+60	+56	+51	+46	+42	+39	+37	18
7	+61	+60	+59	+57	+55	+53	+51	+49	+49	19
8	+53	+53	+54	+54	+55	+56	+56	+56	+57	20
9	+42	+43	+45	+48	+51	+54	+57	+60	+61	21
10	+28	+30	+34	+38	+44	+50	+55	+59	+61	22
11	+12	+14	+19	+26	+34	+42	+49	+54	+57	23
12	− 5	− 2	+ 4	+12	+22	+31	+39	+45	+48	24

q, 1928 Oktober 15

α \ δ	−80°	−60°	−40°	−20°	0°	+20°	+40°	+60°	+80°	δ / α
0^h	+64	+58	+46	+31	+14	− 4	−19	−30	−36	12^h
1	+60	+54	+41	+25	+ 6	−12	−29	−41	−48	13
2	+52	+46	+34	+17	− 2	−20	−37	−49	−56	14
3	+41	+35	+24	+ 8	−10	−27	−42	−54	−60	15
4	+27	+22	+12	− 2	−17	−32	−45	−55	−60	16
5	+11	+ 7	− 1	−11	−23	−34	−45	−52	−56	17
6	− 6	− 8	−13	−20	−27	−35	−41	−46	−49	18
7	−22	−23	−25	−27	−30	−33	−35	−37	−38	19
8	−37	−36	−35	−33	−30	−28	−26	−25	−24	20
9	−49	−47	−42	−36	−29	−22	−16	−11	− 9	21
10	−58	−54	−47	−37	−26	−14	− 4	+ 3	+ 7	22
11	−63	−58	−48	−35	−20	− 5	+ 8	+17	+22	23
12	−64	−58	−46	−31	−14	+ 4	+19	+30	+36	24

r, 1928 Oktober 15

α \ δ	−80°	−60°	−40°	−20°	0°	+20°	+40°	+60°	+80°	
0^h	−26	−30	−31	−28	−22	−13	− 2	+ 8	+18	12^h
1	−23	−23	−20	−15	− 8	0	+ 8	+15	+20	13
2	−21	−16	− 9	− 1	+ 7	+14	+19	+22	+23	14
3	−18	− 9	+ 2	+12	+21	+27	+30	+29	+25	15
4	−16	− 2	+11	+24	+33	+39	+40	+36	+28	16
5	−14	+ 3	+19	+33	+44	+48	+48	+41	+29	17
6	−13	+ 6	+25	+40	+51	+55	+53	+44	+31	18
7	−12	+ 8	+28	+44	+55	+59	+56	+46	+31	19
8	−12	+ 8	+28	+44	+55	+59	+56	+46	+31	20
9	−13	+ 6	+25	+41	+51	+56	+54	+45	+31	21
10	−14	+ 3	+20	+34	+44	+49	+48	+41	+30	22
11	−16	− 2	+12	+24	+34	+40	+40	+36	+28	23
12	−18	− 8	+ 2	+13	+22	+28	+31	+30	+26	24
	+80°	+60°	+40°	+20°	0°	−20°	−40°	−60°	−80°	α / δ

Bei der Tafel für r wird mit der Deklination für $0^h \leq \alpha \leq 12^h$ in die obere, für $12^h \leq \alpha \leq 24^h$ in die untere Argumentenzeile eingegangen.

Die Einheit der Tafelwerte ist 0.0001. Die Vorzeichen gelten für $0^h \leq \alpha \leq 12^h$; liegt α zwischen 12^h und 24^h, so sind bei allen Tafeln die Vorzeichen umzukehren.

Korr. $(\Delta\alpha)^s = p \,.\, \Delta\alpha^m \,.\, \sec\delta + q \,.\, \Delta\delta' \,.\, \frac{1}{15} \sec^2\delta$; Korr. $(\Delta\delta)'' = -q \,.\, 15 \,.\, \Delta\alpha^m + r \,.\, \Delta\delta'$

Reduktionsgrößen 1928

p, 1928 November 15

α \ δ	−80°	−60°	−40°	−20°	0°	+20°	+40°	+60°	+80°	δ / α
0h	−16	−19	−27	−36	−47	−58	−68	−75	−79	12h
1	− 3	− 7	−15	−25	−37	−49	−59	−67	−71	13
2	+10	+ 5	− 2	−12	−24	−36	−46	−54	−58	14
3	+21	+18	+11	+ 1	−10	−21	−30	−37	−41	15
4	+32	+29	+23	+15	+ 5	− 4	−12	−18	−21	16
5	+40	+38	+33	+27	+20	+13	+ 7	+ 2	0	17
6	+46	+44	+42	+38	+33	+29	+25	+22	+21	18
7	+48	+48	+47	+46	+44	+43	+42	+41	+40	19
8	+48	+48	+49	+51	+52	+54	+56	+57	+57	20
9	+44	+45	+48	+52	+57	+62	+66	+69	+70	21
10	+36	+38	+43	+50	+57	+64	+71	+76	+78	22
11	+27	+30	+36	+45	+54	+64	+72	+78	+81	23
12	+16	+19	+27	+36	+47	+58	+68	+75	+79	24

q, 1928 November 15

α \ δ	−80°	−60°	−40°	−20°	0°	+20°	+40°	+60°	+80°	δ / α
0h	+46	+42	+34	+24	+13	+ 1	− 9	−16	−20	12h
1	+48	+42	+32	+19	+ 4	−11	−24	−34	−40	13
2	+47	+40	+29	+13	− 5	−23	−39	−50	−57	14
3	+42	+36	+23	+ 6	−14	−33	−50	−63	−70	15
4	+35	+28	+16	− 2	−21	−41	−58	−71	−78	16
5	+26	+19	+ 7	− 9	−28	−46	−62	−74	−81	17
6	+14	+ 9	− 2	−16	−32	−48	−62	−73	−79	18
7	+ 2	− 2	−11	−22	−34	−47	−58	−66	−71	19
8	−10	−13	−19	−26	−34	−42	−50	−55	−58	20
9	−22	−23	−25	−28	−32	−35	−38	−40	−41	21
10	−32	−32	−30	−29	−27	−25	−24	−22	−22	22
11	−40	−38	−34	−27	−21	−14	− 8	− 3	− 1	23
12	−46	−42	−34	−24	−13	− 1	+ 9	+16	+20	24

r, 1928 November 15

α \ δ	−80°	−60°	−40°	−20°	0°	+20°	+40°	+60°	+80°	
0h	−22	−36	−46	−49	−47	−39	−27	−11	+ 6	12h
1	−21	−31	−38	−40	−37	−30	−19	− 6	+ 8	13
2	−18	−25	−28	−28	−24	−18	− 9	0	+10	14
3	−16	−18	−17	−14	−10	− 4	+ 2	+ 8	+13	15
4	−13	−10	− 5	0	+ 5	+10	+13	+15	+15	16
5	−11	− 3	+ 6	+14	+20	+24	+25	+23	+18	17
6	− 8	+ 4	+16	+26	+33	+36	+35	+29	+20	18
7	− 7	+10	+25	+37	+44	+47	+43	+35	+22	19
8	− 5	+14	+31	+44	+52	+54	+50	+39	+23	20
9	− 4	+16	+34	+49	+57	+59	+53	+41	+24	21
10	− 4	+16	+34	+49	+57	+59	+53	+41	+24	22
11	− 5	+14	+32	+46	+54	+56	+51	+40	+24	23
12	− 6	+11	+27	+39	+47	+49	+46	+36	+22	24
	+80°	+60°	+40°	+20°	0°	−20°	−40°	−60°	−80°	α / δ

Bei der Tafel für *r* wird mit der Deklination für $0^h \leqq \alpha \leqq 12^h$ in die obere, für $12^h \leqq \alpha \leqq 24^h$ in die untere Argumentenzeile eingegangen.

Die Einheit der Tafelwerte ist 0.0001. Die Vorzeichen gelten für $0^h \leqq \alpha \leqq 12^h$; liegt α zwischen 12^h und 24^h, so sind bei allen Tafeln die Vorzeichen umzukehren.

Korr. $(\Delta\alpha)^s = p \,.\, \Delta\alpha^m \,.\, \sec\delta + q \,.\, \Delta\delta' \,.\, \frac{1}{15} \sec^2\delta$; Korr. $(\Delta\delta)'' = -q \,.\, 15 \,.\, \Delta\alpha^m + r \,.\, \Delta\delta'$

p, 1928 Dezember 15

α \ δ	−80°	−60°	−40°	−20°	0°	+20°	+40°	+60°	+80°	δ / α
0^h	−21	−26	−34	−46	−59	−72	−84	−92	−97	12^h
1	−16	−20	−30	−42	−55	−69	−81	−90	−95	13
2	−9	−14	−22	−34	−48	−61	−73	−82	−86	14
3	−2	−6	−14	−25	−37	−49	−60	−68	−72	15
4	+6	+2	−4	−13	−24	−34	−43	−49	−53	16
5	+13	+10	+5	−1	−9	−16	−23	−28	−30	17
6	+19	+18	+15	+11	+7	+3	−1	−4	−5	18
7	+24	+24	+23	+23	+22	+21	+21	+20	+20	19
8	+27	+28	+30	+33	+36	+38	+41	+43	+44	20
9	+28	+31	+35	+40	+47	+53	+58	+62	+65	21
10	+28	+31	+37	+45	+55	+64	+72	+78	+81	22
11	+26	+30	+37	+47	+59	+70	+80	+88	+92	23
12	+21	+26	+34	+46	+59	+72	+84	+92	+97	24

q, 1928 Dezember 15

α \ δ	−80°	−60°	−40°	−20°	0°	+20°	+40°	+60°	+80°	δ / α
0^h	+19	+18	+17	+15	+12	+10	+8	+6	+6	12^h
1	+24	+21	+16	+10	+2	−6	−12	−17	−20	13
2	+26	+22	+14	+4	−8	−21	−31	−39	−44	14
3	+28	+22	+11	−3	−18	−35	−48	−59	−64	15
4	+27	+20	+8	−9	−27	−46	−62	−74	−81	16
5	+24	+17	+4	−14	−34	−54	−72	−85	−92	17
6	+20	+13	0	−18	−38	−58	−76	−90	−96	18
7	+14	+8	−5	−21	−40	−59	−76	−88	−95	19
8	+8	+2	−9	−23	−39	−56	−70	−81	−86	20
9	+1	−4	−12	−23	−36	−48	−59	−68	−72	21
10	−7	−9	−14	−22	−30	−38	−45	−50	−53	22
11	−13	−14	−16	−19	−22	−25	−27	−29	−30	23
12	−19	−18	−17	−15	−12	−10	−8	−6	−6	24

r, 1928 Dezember 15

α \ δ	−80°	−60°	−40°	−20°	0°	+20°	+40°	+60°	+80°	
0^h	−13	−32	−47	−57	−59	−55	−43	−27	−7	12^h
1	−13	−30	−44	−53	−55	−51	−40	−25	−7	13
2	−11	−26	−38	−46	−48	−44	−35	−21	−5	14
3	−9	−21	−30	−36	−37	−34	−26	−16	−3	15
4	−7	−14	−20	−23	−24	−21	−16	−9	−1	16
5	−4	−7	−9	−9	−9	−7	−5	−2	+2	17
6	−2	+1	+3	+5	+7	+7	+7	+6	+4	18
7	+1	+8	+15	+20	+22	+22	+19	+14	+7	19
8	+3	+15	+25	+32	+36	+34	+29	+20	+9	20
9	+5	+21	+34	+43	+47	+45	+38	+26	+11	21
10	+6	+25	+40	+50	+55	+52	+44	+30	+12	22
11	+7	+27	+43	+54	+59	+56	+47	+32	+13	23
12	+7	+27	+43	+55	+59	+57	+47	+32	+13	24
	+80°	+60°	+40°	+20°	0°	−20°	−40°	−60°	−80°	α / δ

Bei der Tafel für r wird mit der Deklination für $0^h \leqq \alpha \leqq 12^h$ in die obere, für $12^h \leqq \alpha \leqq 24^h$ in die untere Argumentenzeile eingegangen.

Die Einheit der Tafelwerte ist 0.0001. Die Vorzeichen gelten für $0^h \leqq \alpha \leqq 12^h$; liegt α zwischen 12^h und 24^h, so sind bei allen Tafeln die Vorzeichen umzukehren.

Korr. $(\Delta\alpha)^s = p \, . \, \Delta\alpha^m \, . \, \sec\delta + q \, . \, \Delta\delta' \, . \, \frac{1}{15} \sec^2\delta$; Korr. $(\Delta\delta)'' = -q \, . \, 15 \, . \, \Delta\alpha^m + r \, . \, \Delta\delta'$

0h Welt-Zeit	Rechtwinklige Sonnenkoordinaten, bezogen auf das Äquinoktium 1925.0			Reduktion von dem mittleren Äquinoktium 1925.0 auf das jedesmalige wahre Äquinoktium		
	X	Y	Z	f	log g	G
1928						
Jan. −1	+0.124266	−0.894887	−0.388156	+8.192 s	1.72815	23h 53m 36s
+3	0.193285	0.884450	0.383628	8.237	1.73058	23 53 23
7	0.261322	0.869627	0.377196	8.282	1.73296	23 53 7
11	0.328064	0.850498	0.368898	8.327	1.73528	23 52 50
15	0.393195	0.827145	0.358769	8.370	1.73755	23 52 30
19	+0.456391	−0.799670	−0.346854	+8.412	1.73976	23 52 8
23	0.517326	0.768200	0.333207	8.453	1.74189	23 51 45
27	0.575680	0.732900	0.317896	8.492	1.74393	23 51 21
31	0.631154	0.693967	0.301008	8.530	1.74588	23 50 56
Febr. 4	0.683490	0.651620	0.282637	8.566	1.74774	23 50 31
8	+0.732456	−0.606074	−0.262880	+8.601	1.74953	23 50 6
12	0.777834	0.557544	0.241832	8.634	1.75124	23 49 42
16	0.819404	0.506259	0.219590	8.665	1.75287	23 49 18
20	0.856955	0.452468	0.196261	8.695	1.75442	23 48 55
24	0.890293	0.396445	0.171961	8.724	1.75588	23 48 34
28	+0.919258	−0.338492	−0.146822	+8.752	1.75728	23 48 15
März 3	0.943735	0.278911	0.120976	8.778	1.75862	23 47 57
7	0.963643	0.217995	0.094554	8.804	1.75992	23 47 42
11	0.978909	0.156026	0.067676	8.829	1.76117	23 47 29
15	0.989469	0.093290	0.040468	8.854	1.76239	23 47 19
19	+0.995272	−0.030084	−0.013054	+8.878	1.76359	23 47 11
23	0.996284	+0.033280	+0.014430	8.902	1.76478	23 47 6
27	0.992512	0.096476	0.041844	8.926	1.76597	23 47 3
31	0.984009	0.159190	0.069048	8.951	1.76716	23 47 3
April 4	0.970853	0.221133	0.095916	8.976	1.76838	23 47 5
8	+0.953129	+0.282032	+0.122329	+9.002	1.76963	23 47 9
12	0.930930	0.341617	0.148171	9.029	1.77091	23 47 16
16	0.904356	0.399620	0.173328	9.057	1.77223	23 47 24
20	0.873529	0.455763	0.197681	9.086	1.77359	23 47 33
24	0.838603	0.509769	0.221108	9.116	1.77501	23 47 44
28	+0.799776	+0.561382	+0.243497	+9.147	1.77648	23 47 55
Mai 2	0.757262	0.610378	0.264750	9.180	1.77803	23 48 7
6	0.711270	0.656560	0.284778	9.214	1.77963	23 48 19
10	0.662013	0.699733	0.303502	9.250	1.78130	23 48 31
14	+0.609708	+0.739712	+0.320842	+9.287	1.78301	23 48 43

0h Welt-Zeit	Rechtwinklige Sonnenkoordinaten, bezogen auf das Äquinoktium 1925.0			Reduktion von dem mittleren Äquinoktium 1925.0 auf das jedesmalige wahre Äquinoktium		
	X	Y	Z	f	log g	G
1928						
Mai 14	+0.609708	+0.739712	+0.320842	+ 9.287 s	1.78301	23h 48m 43s
18	0.554586	0.776310	0.336717	9.325	1.78477	23 48 54
22	0.496907	0.809344	0.351049	9.365	1.78659	23 49 4
26	0.436964	0.838664	0.363768	9.406	1.78845	23 49 13
30	0.375053	0.864158	0.374826	9.447	1.79036	23 49 20
Juni 3	+0.311461	+0.885735	+0.384182	+ 9.490	1.79229	23 49 26
7	0.246465	0.903315	0.391805	9.533	1.79426	23 49 30
11	0.180344	0.916826	0.397665	9.577	1.79626	23 49 33
15	0.113383	0.926196	0.401731	9.621	1.79826	23 49 33
19	+0.045891	0.931369	0.403978	9.666	1.80028	23 49 31
23	−0.021803	+0.932318	+0.404391	+ 9.711	1.80229	23 49 27
27	0.089376	0.929057	0.402976	9.756	1.80430	23 49 22
Juli 1	0.156526	0.921622	0.399748	9.800	1.80628	23 49 14
5	0.222965	0.910056	0.394730	9.844	1.80824	23 49 4
9	0.288414	0.894410	0.387943	9.888	1.81017	23 48 53
13	−0.352590	+0.874734	+0.379411	+ 9.930	1.81206	23 48 40
17	0.415192	0.851099	0.369162	9.972	1.81391	23 48 26
21	0.475914	0.823605	0.357238	10.013	1.81571	23 48 10
25	0.534464	0.792390	0.343698	10.052	1.81746	23 47 54
29	0.590583	0.757609	0.328609	10.091	1.81915	23 47 36
Aug. 2	−0.644028	+0.719422	+0.312044	+10.128	1.82078	23 47 18
6	0.694572	0.677992	0.294074	10.164	1.82235	23 47 0
10	0.741991	0.633482	0.274771	10.199	1.82387	23 46 41
14	0.786049	0.586070	0.254209	10.233	1.82533	23 46 23
18	0.826514	0.535970	0.232479	10.265	1.82672	23 46 5
22	−0.863182	+0.483422	+0.209684	+10.295	1.82806	23 45 48
26	0.895884	0.428676	0.185936	10.325	1.82934	23 45 31
30	0.924476	0.371984	0.161345	10.354	1.83057	23 45 16
Sept. 3	0.948835	0.313594	0.136020	10.381	1.83174	23 45 2
7	0.968842	0.253749	0.110065	10.408	1.83287	23 44 50
11	−0.984372	+0.192706	+0.083590	+10.434	1.83398	23 44 39
15	0.995317	0.130753	0.056718	10.459	1.83505	23 44 30
19	1.001604	0.068192	0.029581	10.484	1.83610	23 44 24
23	1.003199	+0.005329	+0.002312	10.509	1.83715	23 44 19
27	−1.000095	−0.057538	−0.024958	+10.534	1.83818	23 44 16

0^h Welt-Zeit	Rechtwinklige Sonnenkoordinaten, bezogen auf das Äquinoktium 1925.0			Reduktion von dem mittleren Äquinoktium 1925.0 auf das jedesmalige wahre Äquinoktium		
	X	*Y*	*Z*	*f*	log *g*	*G*
1928						
Sept. 27	−1.000095	−0.057538	−0.024958	+10.534	1.83818	$23^h\,44^m\,16^s$
Okt. 1	0.992310	0.120125	0.052103	10.559	1.83921	23 44 15
5	0.979864	0.182156	0.079006	10.584	1.84025	23 44 17
9	0.962781	0.243348	0.105546	10.610	1.84131	23 44 20
13	0.941103	0.303398	0.131593	10.637	1.84240	23 44 25
17	−0.914916	−0.361996	−0.157012	+10.665	1.84351	23 44 32
21	0.884340	0.418845	0.181672	10.694	1.84467	23 44 40
25	0.849526	0.473663	0.205449	10.724	1.84587	23 44 50
29	0.810644	0.526192	0.228232	10.756	1.84712	23 45 1
Nov. 2	0.767865	0.576193	0.249916	10.789	1.84843	23 45 13
6	−0.721362	−0.623424	−0.270402	+10.823	1.84979	23 45 25
10	0.671331	0.667635	0.289579	10.859	1.85122	23 45 37
14	0.618004	0.708582	0.307342	10.897	1.85270	23 45 49
18	0.561648	0.746046	0.323594	10.936	1.85424	23 46 1
22	0.502549	0.779834	0.338250	10.977	1.85584	23 46 12
26	−0.441005	−0.809785	−0.351239	+11.019	1.85750	23 46 22
30	0.377308	0.835765	0.362505	11.063	1.85918	23 46 31
Dez. 4	0.311742	0.857643	0.371993	11.107	1.86091	23 46 38
8	0.244612	0.875286	0.379647	11.153	1.86267	23 46 44
12	0.176250	0.888584	0.385418	11.199	1.86445	23 46 48
16	−0.107010	−0.897454	−0.389267	+11.246	1.86626	23 46 50
20	−0.037251	0.901851	0.391174	11.293	1.86809	23 46 49
24	+0.032667	0.901765	0.391135	11.341	1.86991	23 46 47
28	0.102407	0.897212	0.389158	11.388	1.87173	23 46 43
32	+0.171647	−0.888216	−0.385255	+11.435	1.87354	23 46 37

Red. in $\alpha = f + {}^1/_{15}\, g \sin(G+\alpha) \operatorname{tg} \delta$

Red. in $\delta = g \cos(G+\alpha)$

Korrektion der Reduktion vom mittleren Äquinoktium 1925.0 auf das jedesmalige wahre Äquinoktium (s. S. 276*—278*), berechnet für 1928.5, mit Hinzufügung ihrer einjährigen Änderung

α	δ +60°		+50°		+30°		+10°		−10°		−30°		−50°		−60°	
Für Rektaszension (in $0^s.001$)																
0^h	+3	+2	+2	+1	+1	+1	0	0	0	0	−1	−1	−2	−1	−3	−2
1	+5	+3	+3	+2	+1	+1	+1	0	0	0	−1	0	−1	−1	−2	−1
2	+5	+3	+3	+2	+2	+1	+1	0	0	0	0	0	0	0	0	0
3	+5	+3	+3	+2	+2	+1	+1	0	0	0	0	0	0	0	+1	0
4	+4	+2	+2	+1	+1	+1	+1	0	0	0	0	0	0	0	+1	+1
5	+2	+1	+1	+1	+1	0	0	0	0	0	0	0	0	0	+1	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	−2	−1	−1	−1	−1	0	0	0	0	0	0	0	0	0	0	0
8	−4	−2	−2	−1	−1	−1	0	0	0	0	0	0	0	0	−1	0
9	−5	−3	−3	−2	−1	−1	−1	0	0	0	0	0	0	0	0	0
10	−5	−3	−3	−2	−1	−1	−1	0	0	0	0	0	+1	0	0	0
11	−4	−2	−3	−2	−1	−1	0	0	0	0	+1	0	+1	+1	+2	+1
12	−3	−2	−2	−1	−1	−1	0	0	0	0	+1	+1	+2	+1	+3	+2
13	−2	−1	−1	−1	−1	0	0	0	+1	0	+1	+1	+3	+2	+5	+3
14	0	0	0	0	0	0	0	0	+1	0	+2	+1	+3	+2	+5	+3
15	+1	0	0	0	0	0	0	0	+1	0	+2	+1	+3	+2	+5	+3
16	+1	+1	0	0	0	0	0	0	+1	0	+1	+1	+2	+1	+4	+2
17	+1	0	0	0	0	0	0	0	0	0	+1	0	+1	+1	+2	+1
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	−1	0	−1	−1	−2	−1
20	−1	0	0	0	0	0	0	0	0	0	−1	−1	−2	−1	−4	−2
21	0	0	0	0	0	0	0	0	−1	0	−1	−1	−3	−2	−5	−3
22	0	0	+1	0	0	0	0	0	−1	0	−1	−1	−3	−2	−5	−3
23	+2	+1	+1	+1	+1	0	0	0	0	0	−1	−1	−3	−2	−4	−2
24	+3	+2	+2	+1	+1	+1	0	0	0	0	−1	−1	−2	−1	−3	−2
Für Deklination (in $0''.01$)																
0^h	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	−1	−1	−1	0	−1	0	−1	0	−1	0	−1	0	−1	0	−1	0
2	−2	−1	−2	−1	−2	−1	−1	−1	−1	−1	−1	−1	−1	−1	−1	−1
3	−3	−2	−3	−2	−2	−1	−2	−1	−2	−1	−2	−1	−1	−1	−1	−1
4	−4	−2	−3	−2	−3	−2	−3	−1	−2	−1	−2	−1	−1	−1	−1	0
5	−5	−3	−4	−2	−3	−2	−3	−2	−2	−1	−2	−1	−1	−1	−1	0
6	−5	−3	−4	−2	−3	−2	−3	−2	−3	−1	−2	−1	−1	−1	−1	0
7	−5	−3	−4	−2	−3	−2	−3	−2	−2	−1	−2	−1	−1	−1	−1	0
8	−4	−2	−3	−2	−3	−2	−2	−1	−2	−1	−2	−1	−1	−1	−1	0
9	−3	−2	−3	−1	−2	−1	−2	−1	−2	−1	−2	−1	−1	−1	−1	0
10	−2	−1	−2	−1	−1	−1	−1	−1	−1	−1	−1	−1	−1	−1	−1	0
11	−1	0	−1	0	−1	0	−1	0	−1	0	−1	0	−1	0	−1	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	+1	0	+1	0	+1	0	+1	0	+1	0	+1	0	+1	0	+1	+1
14	+1	+1	+1	+1	+1	+1	+1	+1	+1	+1	+2	+1	+2	+1	+2	+1
15	+1	+1	+1	+1	+2	+1	+2	+1	+2	+1	+2	+1	+3	+2	+3	+2
16	+1	0	+1	+1	+2	+1	+2	+1	+3	+1	+3	+2	+3	+2	+4	+2
17	+1	0	+1	+1	+2	+1	+2	+1	+3	+2	+3	+2	+4	+2	+5	+3
18	+1	0	+1	+1	+2	+1	+3	+1	+3	+2	+3	+2	+4	+2	+5	+3
19	+1	0	+1	+1	+2	+1	+2	+1	+3	+2	+3	+2	+4	+2	+5	+3
20	+1	0	+1	+1	+2	+1	+2	+1	+2	+1	+3	+2	+3	+2	+4	+2
21	+1	0	+1	+1	+2	+1	+2	+1	+2	+1	+2	+1	+3	+1	+3	+2
22	+1	0	+1	+1	+1	+1	+1	+1	+1	+1	+1	+1	+2	+1	+2	+1
23	+1	0	+1	0	+1	0	+1	0	+1	0	+1	0	+1	0	+1	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

α	0^h, 12^h		1^h, 13^h		2^h, 14^h		3^h, 15^h		4^h, 16^h		5^h, 17^h		α
	$-A_1+$	$-D+$	$-A_1+$	$-D+$	$-A_1+$	$-D+$	$-A_1+$	$-D+$	$-A_1+$	$-D+$	$-A_1+$	$-D+$	
m	s	″	s	″	s	″	s	″	s	″	s	″	m
0		60.13	1.036	58.09	2.003	52.09	2.834	42.53	3.471	30.08	3.872	15.58	0
1	0.016	60.13	053	58.02	018	51.96	846	42.34	480	29.86	876	15.33	1
2	034	60.13	070	57.95	033	51.82	858	42.16	488	29.63	881	15.07	2
3	051	60.12	086	57.88	048	51.69	871	41.97	497	29.40	885	14.82	3
4	069	60.12	103	57.81	063	51.56	883	41.79	505	29.17	890	14.57	4
5	086	60.12	120	57.74	078	51.42	895	41.60	514	28.94	894	14.31	5
6	104	60.11	137	57.66	093	51.29	907	41.41	522	28.71	898	14.05	6
7	121	60.11	154	57.59	108	51.15	919	41.22	530	28.47	902	13.80	7
8	139	60.10	170	57.51	123	51.01	931	41.02	539	28.24	906	13.54	8
9	156	60.09	187	57.44	138	50.87	943	40.83	547	28.01	910	13.29	9
10	0.174	60.08	1.204	57.36	2.153	50.73	2.955	40.64	3.555	27.78	3.913	13.03	10
11	191	60.06	221	57.28	168	50.59	967	40.44	563	27.55	917	12.77	11
12	209	60.05	237	57.20	182	50.44	978	40.25	571	27.31	920	12.52	12
13	226	60.03	254	57.11	197	50.30	2.990	40.05	579	27.08	924	12.26	13
14	243	60.02	270	57.03	211	50.15	3.001	39.86	587	26.84	927	12.01	14
15	261	60.00	287	56.95	226	50.01	013	39.66	595	26.61	931	11.75	15
16	278	59.98	304	56.86	240	49.86	024	39.46	602	26.37	934	11.50	16
17	296	59.97	320	56.78	255	49.72	036	39.27	610	26.14	938	11.24	17
18	313	59.95	337	56.69	269	49.57	047	39.07	618	25.90	941	10.98	18
19	330	59.93	353	56.60	284	49.42	059	38.87	625	25.67	945	10.72	19
20	0.348	59.91	1.370	56.51	2.298	49.27	3.070	38.67	3.633	25.43	3.948	10.46	20
21	365	59.88	386	56.42	312	49.12	081	38.47	640	25.20	951	10.21	21
22	383	59.86	403	56.33	326	48.97	092	38.26	648	24.96	954	9.95	22
23	400	59.83	419	56.23	341	48.81	104	38.06	655	24.72	956	9.69	23
24	417	59.81	436	56.14	355	48.66	115	37.86	662	24.48	959	9.43	24
25	435	59.78	452	56.05	369	48.51	126	37.65	669	24.24	962	9.17	25
26	452	59.75	468	55.96	383	48.35	137	37.44	676	24.00	964	8.91	26
27	470	59.72	484	55.86	397	48.20	148	37.24	682	23.76	967	8.65	27
28	487	59.68	501	55.76	411	48.04	158	37.03	689	23.51	969	8.39	28
29	504	59.65	517	55.66	425	47.88	169	36.83	696	23.27	972	8.13	29
30	0.522	59.62	1.533	55.56	2.439	47.72	3.180	36.62	3.703	23.03	3.974	7.87	30
31	539	59.58	549	55.46	453	47.56	191	36.41	710	22.79	976	7.61	31
32	557	59.55	565	55.36	467	47.40	201	36.20	716	22.54	979	7.35	32
33	574	59.51	582	55.25	480	47.23	211	35.99	723	22.30	981	7.09	33
34	591	59.48	598	55.15	494	47.07	222	35.78	729	22.06	983	6.83	34
35	609	59.44	614	55.05	508	46.91	232	35.57	736	21.81	985	6.57	35
36	626	59.40	630	54.94	522	46.74	242	35.36	742	21.57	987	6.31	36
37	643	59.35	646	54.84	535	46.58	252	35.15	749	21.32	988	6.05	37
38	661	59.31	661	54.73	549	46.41	263	34.93	755	21.08	990	5.78	38
39	678	59.27	677	54.62	563	46.25	273	34.72	761	20.84	991	5.52	39
40	0.695	59.22	1.693	54.51	2.576	46.08	3.283	34.51	3.767	20.59	3.993	5.26	40
41	712	59.17	709	54.40	589	45.91	293	34.30	773	20.35	994	5.00	41
42	729	59.13	725	54.28	603	45.74	303	34.08	779	20.10	996	4.74	42
43	747	59.08	740	54.17	616	45.56	312	33.86	785	19.85	997	4.47	43
44	764	59.03	756	54.06	629	45.39	322	33.64	790	19.60	3.999	4.21	44
45	781	58.98	772	53.94	642	45.22	332	33.42	796	19.35	4.000	3.95	45
46	798	58.93	788	53.82	655	45.05	342	33.21	801	19.10	001	3.69	46
47	815	58.87	803	53.71	668	44.87	351	32.99	807	18.85	002	3.43	47
48	832	58.82	819	53.59	681	44.70	361	32.77	812	18.60	003	3.16	48
49	849	58.77	834	53.47	694	44.53	370	32.55	818	18.35	004	2.90	49
50	0.866	58.71	1.850	53.35	2.707	44.35	3.380	32.33	3.823	18.10	4.005	2.64	50
51	883	58.65	865	53.23	720	44.17	389	32.11	828	17.85	006	2.38	51
52	900	58.59	881	53.10	733	43.99	399	31.88	833	17.60	006	2.12	52
53	917	58.53	896	52.98	745	43.81	408	31.66	838	17.35	007	1.85	53
54	934	58.47	912	52.86	758	43.63	417	31.43	843	17.10	007	1.59	54
55	951	58.41	927	52.73	771	43.45	426	31.21	848	16.85	008	1.33	55
56	968	58.35	942	52.60	784	43.27	435	30.98	853	16.60	008	1.07	56
57	0.985	58.28	957	52.48	796	43.09	444	30.76	857	16.34	008	0.81	57
58	1.002	58.22	973	52.35	809	42.90	453	30.53	862	16.09	009	0.54	58
59	019	58.16	1.988	52.22	821	42.72	462	30.31	867	15.84	009	0.28	59
60	1.036	58.09	2.003	52.09	2.834	42.53	3.471	30.08	3.872	15.58	4.009	0.02	60

α	6h, 18h		7h, 19h		8h, 20h		9h, 21h		10h, 22h		11h, 23h		α
	−A₁+	+D−	−A₁+	+D−	−A₁+	+D−	−A₁+	+D−	−A₁+	+D−	−A₁+	+D−	
m	s	"	s	"	s	"	s	"	s	"	s	"	m
0	4.009		3.872	15.54	3.472	30.05	2.836	42.51	2.006	52.07	1.039	58.08	0
1	009	0.24	867	15.80	464	30.28	823	42.69	1.991	52.20	022	58.14	1
2	009	0.50	863	16.05	455	30.50	811	42.88	975	52.33	1.005	58.21	2
3	008	0.77	858	16.31	446	30.73	798	43.06	960	52.46	0.988	58.27	3
4	008	1.03	854	16.56	437	30.95	786	43.24	945	52.59	971	58.34	4
5	008	1.29	849	16.81	428	31.18	773	43.42	929	52.71	954	58.40	5
6	007	1.55	844	17.06	419	31.40	760	43.60	914	52.84	937	58.46	6
7	007	1.81	839	17.31	410	31.62	748	43.78	899	52.96	920	58.52	7
8	006	2.08	834	17.56	401	31.85	735	43.96	883	53.08	903	58.58	8
9	006	2.34	829	17.81	391	32.07	722	44.14	868	53.21	886	58.64	9
10	4.005	2.60	3.824	18.06	3.382	32.29	2.709	44.32	1.852	53.33	0.869	58.70	10
11	004	2.86	819	18.31	372	32.51	696	44.50	836	53.45	852	58.75	11
12	003	3.12	813	18.56	363	32.73	683	44.67	821	53.57	835	58.81	12
13	002	3.39	808	18.81	353	32.95	670	44.85	805	53.69	817	58.86	13
14	001	3.65	802	19.06	344	33.17	657	45.02	790	53.81	800	58.92	14
15	4.000	3.91	797	19.31	334	33.39	644	45.20	774	53.92	783	58.97	15
16	3.999	4.17	792	19.56	324	33.61	631	45.37	758	54.04	766	59.02	16
17	997	4.43	786	19.81	315	33.82	618	45.54	743	54.15	749	59.07	17
18	996	4.70	780	20.06	305	34.04	604	45.71	727	54.26	731	59.12	18
19	994	4.96	774	20.31	295	34.25	591	45.88	711	54.38	714	59.17	19
20	3.993	5.22	3.768	20.55	3.285	34.47	2.578	46.05	1.695	54.49	0.697	59.21	20
21	991	5.48	762	20.80	275	34.68	564	46.22	679	54.60	680	59.26	21
22	990	5.74	756	21.04	265	34.90	551	46.38	664	54.71	663	59.30	22
23	988	6.01	749	21.29	254	35.11	537	46.55	648	54.82	645	59.35	23
24	987	6.27	743	21.53	244	35.33	524	46.71	632	54.93	628	59.39	24
25	985	6.53	737	21.77	234	35.54	510	46.88	616	55.03	611	59.43	25
26	983	6.79	730	22.02	223	35.75	496	47.05	600	55.14	594	59.47	26
27	981	7.05	724	22.26	213	35.96	483	47.21	583	55.24	576	59.50	27
28	979	7.31	717	22.51	202	36.17	469	47.37	567	55.34	559	59.54	28
29	977	7.57	711	22.75	192	36.38	456	47.53	551	55.44	542	59.57	29
30	3.975	7.83	3.704	22.99	3.181	36.59	2.442	47.69	1.535	55.54	0.524	59.61	30
31	972	8.09	697	23.24	170	36.80	428	47.85	519	55.64	507	59.64	31
32	970	8.35	690	23.48	160	37.00	414	48.01	503	55.74	490	59.68	32
33	967	8.61	684	23.72	149	37.21	400	48.17	486	55.84	472	59.71	33
34	965	8.87	677	23.96	138	37.41	386	48.33	470	55.94	455	59.74	34
35	962	9.13	670	24.20	127	37.62	372	48.48	454	56.04	438	59.77	35
36	959	9.39	663	24.44	116	37.82	358	48.63	438	56.14	421	59.80	36
37	957	9.65	656	24.68	105	38.03	343	48.79	421	56.23	403	59.82	37
38	954	9.90	648	24.92	094	38.23	329	48.94	405	56.32	386	59.85	38
39	951	10.16	641	25.16	083	38.43	315	49.10	388	56.41	368	59.87	39
40	3.948	10.42	3.634	25.39	3.072	38.64	2.300	49.25	1.372	56.50	0.351	59.90	40
41	945	10.68	626	25.63	061	38.84	286	49.40	356	56.59	333	59.92	41
42	942	10.94	619	25.87	049	39.04	271	49.55	339	56.67	316	59.94	42
43	938	11.19	611	26.11	038	39.24	257	49.70	323	56.76	298	59.96	43
44	935	11.45	604	26.35	026	39.44	243	49.85	306	56.84	281	59.98	44
45	932	11.71	596	26.58	015	39.63	228	49.99	290	56.93	263	60.00	45
46	928	11.97	588	26.82	3.003	39.83	213	50.14	273	57.01	246	60.02	46
47	925	12.22	580	27.05	2.992	40.02	199	50.28	257	57.10	228	60.03	47
48	921	12.48	572	27.29	980	40.22	184	50.42	240	57.18	211	60.05	48
49	918	12.73	564	27.52	969	40.41	170	50.56	224	57.26	194	60.06	49
50	3.914	12.99	3.556	27.75	2.957	40.61	2.155	50.70	1.207	57.34	0.176	60.07	50
51	910	13.25	548	27.98	945	40.80	140	50.84	190	57.42	159	60.08	51
52	906	13.50	540	28.21	933	41.00	125	50.98	174	57.49	142	60.09	52
53	902	13.76	531	28.44	921	41.19	111	51.12	157	57.57	124	60.10	53
54	898	14.01	523	28.67	909	41.38	096	51.26	140	57.64	107	60.11	54
55	894	14.27	515	28.90	897	41.57	081	51.40	123	57.72	089	60.12	55
56	890	14.53	506	29.13	885	41.76	066	51.53	106	57.80	071	60.13	56
57	885	14.78	498	29.36	873	41.95	051	51.67	090	57.87	054	60.13	57
58	881	15.03	489	29.59	860	42.13	036	51.80	073	57.94	036	60.13	58
59	876	15.29	481	29.82	848	42.32	021	51.94	056	58.01	019	60.13	59
60	3.872	15.54	3.472	30.05	2.836	42.51	2.006	52.07	1.039	58.08	0.001	60.13	60

Reduktionsgrößen 1928

Übertragung von Sternörtern vom mittleren Äquinoktium 1928.0 auf das Normaläquinoktium 1925.0

α	A	A_2	D_1	α	α	A	A_2	D_1	α
h m	"	s	"	h m	h m	s	s	"	h m
0 0	−9.218	+0.0000	−0.000	12 0	6 0	−9.218	−0.0000	−0.009	18 0
10	218	1	0	10	10	218	1	9	10
20	218	1	0	20	20	218	1	9	20
30	218	2	0	30	30	219	2	9	30
40	218	2	0	40	40	219	2	8	40
50	218	2	0	50	50	219	2	8	50
1 0	−9.218	+0.0003	−0.001	13 0	7 0	−9.219	−0.0003	−0.008	19 0
10	218	3	1	10	10	219	3	8	10
20	218	4	1	20	20	219	4	8	20
30	218	4	1	30	30	219	4	7	30
40	218	4	2	40	40	219	4	7	40
50	218	5	2	50	50	219	5	7	50
2 0	−9.218	+0.0005	−0.002	14 0	8 0	−9.219	−0.0005	−0.007	20 0
10	218	5	2	10	10	219	5	6	10
20	218	5	3	20	20	219	5	6	20
30	218	6	3	30	30	219	6	6	30
40	218	6	4	40	40	219	6	5	40
50	218	6	4	50	50	219	6	5	50
3 0	−9.218	+0.0006	−0.004	15 0	9 0	−9.219	−0.0006	−0.004	21 0
10	218	6	5	10	10	219	6	4	10
20	218	6	5	20	20	219	6	4	20
30	218	6	6	30	30	219	6	3	30
40	218	5	6	40	40	219	5	3	40
50	218	5	6	50	50	219	5	2	50
4 0	−9.218	+0.0005	−0.007	16 0	10 0	−9.219	−0.0005	−0.002	22 0
10	218	5	7	10	10	219	5	2	10
20	218	4	7	20	20	219	4	2	20
30	218	4	7	30	30	219	4	1	30
40	218	4	8	40	40	219	4	1	40
50	218	3	8	50	50	219	3	1	50
5 0	−9.218	+0.0003	−0.008	17 0	11 0	−9.219	−0.0003	−0.001	23 0
10	218	2	8	10	10	219	2	0	10
20	218	2	8	20	20	219	2	0	20
30	218	2	9	30	30	219	2	0	30
40	218	1	9	40	40	218	1	0	40
50	218	1	9	50	50	218	1	0	50
6 0	−9.218	+0.0000	−0.009	18 0	12 0	−9.218	−0.0000	−0.000	24 0

$$\alpha_{1925} = \alpha_{1928} + A + A_1 \operatorname{tg} \delta_{1928} + A_2 \operatorname{tg}^2 \delta_{1928}$$
$$\delta_{1925} = \delta_{1928} + D + D_1 \operatorname{tg} \delta_{1928}$$

A_1 und D sind in der Tafel (S. 280*/281*) mit dem Argument α_{1928} zu entnehmen; für die Werte von α zwischen 0^h und 12^h gelten die Vorzeichen zur Linken, für die Werte von α zwischen 12^h und 24^h die Vorzeichen zur Rechten.

Finsternisse, Mösting A, Trabanten

Konstellationen, Hülfstafeln

1928

Sonnen- und Mondfinsternisse 1928

Im Jahre 1928 finden drei Sonnenfinsternisse und zwei Mondfinsternisse statt.

I. Totale Sonnenfinsternis 1928 Mai 19

Konjunktion in Rektaszension .	Mai 19, 12^h 49^m 32^s.6 Welt-Zeit
Rektaszension des Mondes	3^h 44^m 5^s.74
Stündliche Änderung	2 33.05
Rektaszension der Sonne	3 44 5.74
Stündliche Änderung	9.97
Deklination des Mondes	+18° 42′ 14″.2
Stündliche Änderung	+ 11 47.8
Deklination der Sonne	+19 47 2.0
Stündliche Änderung	+ 0 32.1
Äquatorialhorizontalparallaxe des Mondes . .	61′ 20″.2
» der Sonne . . .	8.7
Halbmesser des Mondes	16′ 42″.0
» der Sonne	15 48.2

	Welt-Zeit	Westl. Länge v. Greenwich	Geogr. Breite
Anfang der Finsternis	Mai 19, 11^h 25^m.4	52° 17′	−54° 17′
Anfang der totalen Verfinsterung .	» 13 11.9	347 42	−67 11
Größte Phase	» 13 24.0	337 35	−63 17
Ende der totalen Verfinsterung . .	» 13 36.2	330 46	−58 24
Ende der Finsternis	» 15 22.6	329 40	−21 23

Verlauf der nördlichen Grenzkurve der totalen Verfinsterung

Welt-Zeit	Westl. Länge v. Greenw.	Geogr. Breite	Welt-Zeit	Westl. Länge v. Greenw.	Geogr. Breite
13^h 11^m.9	347° 42′	−67° 11′	13^h 25^m	345° 36′.0	−57° 21′.0
13 15	350 16.9	−62 9.5	13 30	341 49.7	−56 22.3
13 20	348 26.3	−59 9.9	13 35	335 41.6	−56 42.7
13 25	345 36.0	−57 21.0	13 36.2	330 46	−58 24

Die Achse des Schattenkegels berührt die Erde nicht.

Die Finsternis ist sichtbar im südlichsten Teil von Südamerika, im südlichen Teil des Atlantischen Ozeans, im südlichen Teil von Afrika, in Madagaskar sowie im südwestlichen Teil des Indischen Ozeans.

Elemente der totalen Sonnenfinsternis 1928 Mai 19

Welt-Zeit	x	y	log sin d	log cos d	μ	$l^{(a)}$	$l^{(i)}$
11h 20m	−0.82625	−1.33359	9.52931	9.97361	350° 54.9′	+0.53108	−0.01476
30	0.73399	1.30290	9.52934	9.97360	353 24.9	0.53109	0.01475
40	0.64172	1.27221	9.52937	9.97360	355 54.9	0.53110	0.01474
50	0.54945	1.24153	9.52940	9.97359	358 25.0	0.53111	0.01473
12 0	−0.45718	−1.21085	9.52943	9.97359	0 55.0	+0.53112	−0.01472
10	0.36491	1.18018	9.52946	9.97359	3 25.0	0.53113	0.01471
20	0.27263	1.14951	9.52949	9.97358	5 55.0	0.53114	0.01471
30	0.18035	1.11884	9.52952	9.97358	8 25.0	0.53114	0.01470
40	−0.08807	1.08818	9.52955	9.97357	10 55.0	0.53115	0.01469
50	+0.00422	1.05752	9.52958	9.97357	13 25.0	0.53116	0.01469
13 0	+0.09651	−1.02687	9.52961	9.97357	15 55.0	+0.53116	−0.01468
10	0.18880	0.99622	9.52964	9.97356	18 25.0	0.53116	0.01468
20	0.28109	0.96558	9.52967	9.97356	20 55.0	0.53117	0.01468
30	0.37339	0.93494	9.52970	9.97355	23 25.0	0.53117	0.01467
40	0.46568	0.90430	9.52973	9.97355	25 55.1	0.53117	0.01467
50	0.55798	0.87367	9.52976	9.97355	28 25.1	0.53117	0.01467
14 0	+0.65027	−0.84305	9.52979	9.97354	30 55.1	+0.53118	−0.01467
10	0.74257	0.81243	9.52982	9.97354	33 25.1	0.53118	0.01467
20	0.83487	0.78181	9.52985	9.97354	35 55.1	0.53118	0.01467
30	0.92716	0.75120	9.52988	9.97353	38 25.1	0.53117	0.01467
40	1.01946	0.72059	9.52991	9.97353	40 55.1	0.53117	0.01467
50	1.11175	0.68999	9.52994	9.97352	43 25.1	0.53117	0.01468
15 0	+1.20405	−0.65939	9.52997	9.97352	45 55.1	+0.53116	−0.01468
10	1.29634	0.62880	9.53000	9.97352	48 25.1	0.53116	0.01468
20	1.38863	0.59822	9.53003	9.97351	50 55.2	0.53116	0.01469
30	+1.48092	−0.56764	9.53006	9.97351	53 25.2	+0.53115	−0.01469

Welt-Zeit	x'	y'	log tang $f^{(a)}$	log tang $f^{(i)}$
11h 0m	+0.009226	+0.003070	7.66460	7.66243
12 0	0.009227	0.003068	7.66460	7.66243
13 0	0.009229	0.003065	7.66459	7.66242
14 0	0.009230	0.003062	7.66459	7.66242
15 0	0.009230	0.003059	7.66459	7.66242
16 0	+0.009228	+0.003056	7.66458	7.66241

II. Totale Mondfinsternis 1928 Juni 3

Opposition in Rektaszension	Juni 3, 12ʰ 18ᵐ 12ˢ.1	Welt-Zeit
Rektaszension des Mondes	16ʰ 44ᵐ 46ˢ.10	
Stündliche Änderung	2 6.33	
Rektaszension der Sonne	4 44 46.10	
Stündliche Änderung	10.26	
Deklination des Mondes	−22° 37′ 3″.7	
Stündliche Änderung	−6 32.8	
Deklination der Sonne	+22 19 23.0	
Stündliche Änderung	+0 18.4	
Äquatorialhorizontalparallaxe des Mondes . . .	54′ 13″.4	
» der Sonne . . .	8.7	
Halbmesser des Mondes	14′ 45″.8	
» der Sonne	15 45.9	

Anfang der Finsternis	Juni 3,	10ʰ 17ᵐ.6	Welt-Zeit
Anfang der totalen Verfinsterung . . .	»	11 31.3	»
Mitte der Finsternis	»	12 9.4	»
Ende der totalen Verfinsterung . . .	»	12 47.6	»
Ende der Finsternis	»	14 1.6	»

Der Mond steht zu Beginn und Ende der Finsternis im Zenit der Orte, deren geographische Lage ist:

155° 53′ westliche Länge von Greenwich, 22° 24′ südliche Breite
210 4 » » » » , 22 48 » »

Positionswinkel des Eintritts = 85°
» » Austritts = 301°

Größe der Finsternis in Einheiten des Monddurchmessers = 1.247

Der Anfang der Finsternis ist sichtbar im westlichen Teil von Südamerika, im westlichen Teil von Nordamerika, im Stillen Ozean, in Australien und im östlichen Asien. Das Ende ist sichtbar im Stillen Ozean, in Australien und im östlichen Teil Asiens.

III. Partielle Sonnenfinsternis 1928 Juni 17

Konjunktion in Rektaszension	Juni 17, 20h 46m 15s.8 Welt-Zeit
Rektaszension des Mondes	5h 44m 9s.79
Stündliche Änderung	2 43.61
Rektaszension der Sonne	5 44 9.79
Stündliche Änderung	10.40
Deklination des Mondes	+24° 56′ 7″.0
Stündliche Änderung	+4 18.1
Deklination der Sonne	+23 23 58.0
Stündliche Änderung	+0 3.9
Äquatorialhorizontalparallaxe des Mondes . .	60′ 41″.7
» der Sonne . . .	8.7
Halbmesser des Mondes	16′ 31″.5
» der Sonne	15 44.4

	Welt-Zeit	Westl. Länge v. Greenwich	Geogr. Breite
Beginn der Finsternis	Juni 17, 20h 1m.6	264° 8′	+61° 51′
Größte Phase	» 20 27.0	289 27	+65 39
Ende der Finsternis	» 20 52.3	318 18	+66 31

Größe der Finsternis in Einheiten des Sonnendurchmessers = 0.037

Elemente der partiellen Sonnenfinsternis 1928 Juni 17

Welt-Zeit	x	y	log sin d	log cos d	μ	$l^{(a)}$
20h 0m	−0.44229	+1.46740	9.59887	9.96274	119° 48′.7	+0.53274
10	0.34669	1.47918	9.59887	9.96274	122 18.6	0.53275
20	0.25108	1.49095	9.59887	9.96274	124 48.6	0.53276
30	0.15548	1.50270	9.59887	9.96274	127 18.6	0.53277
40	−0.05988	1.51444	9.59888	9.96274	129 48.6	0.53278
50	+0.03573	1.52616	9.59888	9.96274	132 18.6	0.53279
21 0	+0.13133	+1.53787	9.59888	9.96274	134 48.6	+0.53280

Welt-Zeit	x'	y'	log tang $f^{(a)}$
20h 0m	+0.009560	+0.001178	7.66284
21 0	+0.009560	+0.001171	7.66284

IV. Partielle Sonnenfinsternis 1928 November 12

Konjunktion in Rektaszension November 12, 8h 57m 33.3s Welt-Zeit

Rektaszension des Mondes	15h 9m 9.66s
Stündliche Änderung	1 56.22
Rektaszension der Sonne	15 9 9.66
Stündliche Änderung	10.18
Deklination des Mondes	−16° 37′ 47.5″
Stündliche Änderung	−10 36.2
Deklination der Sonne	−17 40 43.4
Stündliche Änderung	−0 40.8
Äquatorialhorizontalparallaxe des Mondes . . .	54′ 7.7″
» der Sonne . . .	8.9
Halbmesser des Mondes	14′ 44.2″
» der Sonne	16 9.8

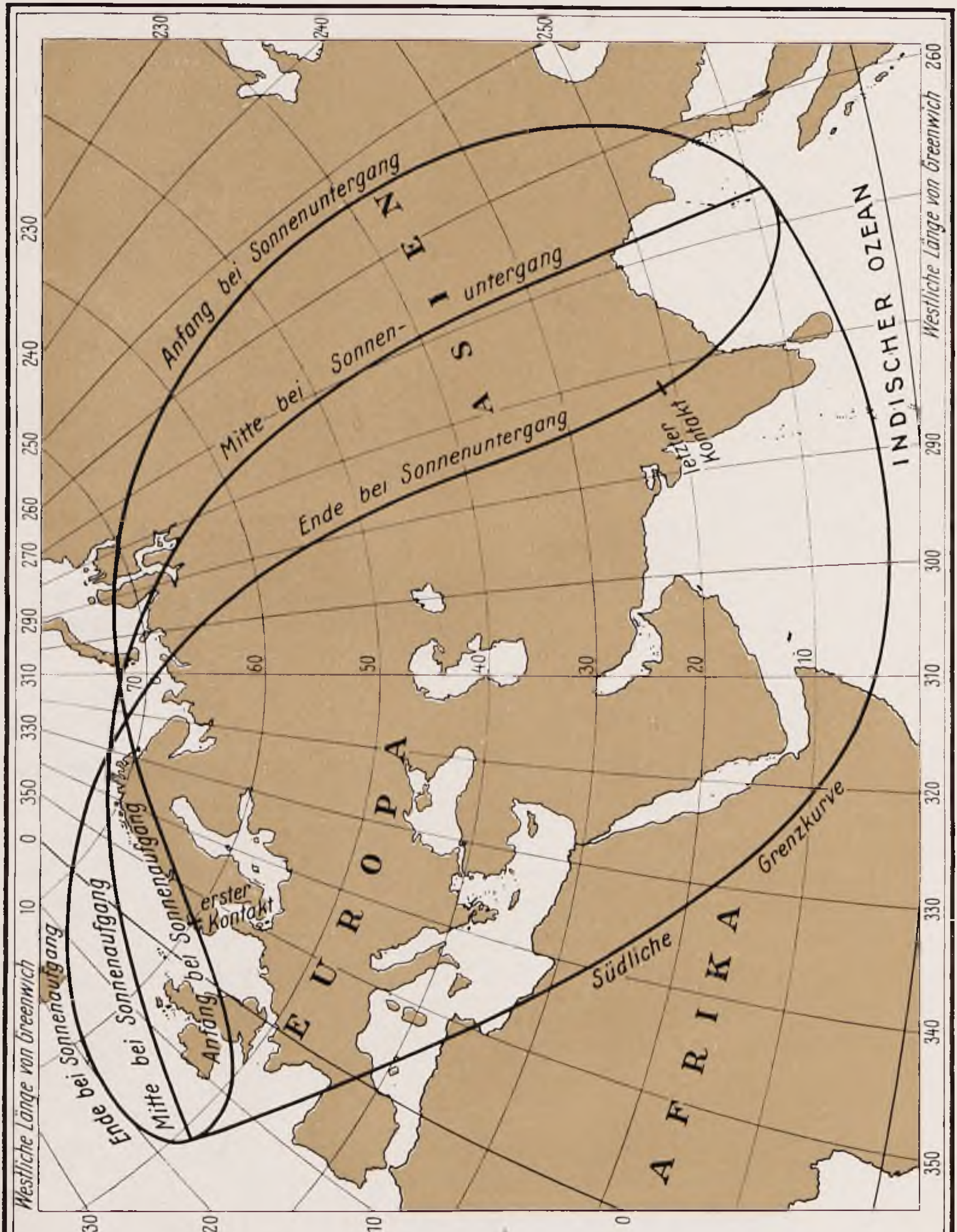
	Welt-Zeit		Westl. Länge v. Greenwich	Geogr. Breite
Beginn der Finsternis . .	November 12,	7h 33.3m	353° 56′	+59° 54′
Größte Phase	»	9 47.9	279 1	+62 40
Ende der Finsternis . . .	»	12 2.8	281 51	+21 25

Betrag der größten Phase in Einheiten des Sonnendurchmessers = 0.808

Die Finsternis ist sichtbar in Europa mit Ausnahme von Spanien, im nordöstlichen Teile Afrikas und in Asien mit Ausnahme des Teiles östlich von 255° Länge.

Partielle Sonnenfinsternis

1928 November 12



Zu Seite 288*

Elemente der partiellen Sonnenfinsternis 1928 November 12

Welt-Zeit	x	y	log sin d	log cos d	μ	$l^{(a)}$
$7^{h}\ 30^{m}$	−0.68663	+1.43394	9.48211_n	9.97902	296° 27.1′	+0.57230
40	0.60822	1.40331	9.48215_n	9.97902	298 57.1	0.57231
50	0.52980	1.37267	9.48219_n	9.97901	301 27.1	0.57233
8 0	−0.45138	+1.34204	9.48224_n	9.97901	303 57.1	+0.57234
10	0.37296	1.31141	9.48228_n	9.97900	306 27.1	0.57235
20	0.29454	1.28079	9.48232_n	9.97900	308 57.1	0.57236
30	0.21611	1.25017	9.48236_n	9.97900	311 27.1	0.57238
40	0.13768	1.21955	9.48241_n	9.97899	313 57.1	0.57239
50	−0.05925	1.18893	9.48245_n	9.97899	316 27.1	0.57240
9 0	+0.01918	+1.15832	9.48249_n	9.97898	318 57.1	+0.57241
10	0.09761	1.12771	9.48254_n	9.97898	321 27.1	0.57242
20	0.17604	1.09710	9.48258_n	9.97897	323 57.1	0.57243
30	0.25448	1.06650	9.48262_n	9.97897	326 27.1	0.57244
40	0.33292	1.03590	9.48267_n	9.97896	328 57.1	0.57244
50	0.41136	1.00531	9.48271_n	9.97896	331 27.1	0.57245
10 0	+0.48980	+0.97472	9.48275_n	9.97896	333 57.1	+0.57246
10	0.56824	0.94413	9.48280_n	9.97895	336 27.1	0.57246
20	0.64668	0.91354	9.48284_n	9.97895	338 57.1	0.57247
30	0.72512	0.88296	9.48288_n	9.97894	341 27.1	0.57247
40	0.80356	0.85239	9.48292_n	9.97894	343 57.1	0.57248
50	0.88201	0.82182	9.48297_n	9.97893	346 27.1	0.57248
11 0	+0.96045	+0.79125	9.48301_n	9.97893	348 57.1	+0.57248
10	1.03889	0.76068	9.48305_n	9.97892	351 27.1	0.57249
20	1.11733	0.73012	9.48309_n	9.97892	353 57.1	0.57249
30	1.19578	0.69957	9.48314_n	9.97892	356 27.1	0.57249
40	1.27422	0.66902	9.48318_n	9.97891	358 57.1	0.57249
50	1.35266	0.63847	9.48323_n	9.97891	1 27.1	0.57249
12 0	+1.43110	+0.60793	9.48327_n	9.97890	3 57.1	+0.57249
10	+1.50954	+0.57739	9.48331_n	9.97890	6 27.1	+0.57249

Welt-Zeit	x'	y'	log tang $f^{(a)}$
$7^{h}\ 0^{m}$	+0.007840	−0.003065	7.67451
8 0	0.007842	0.003063	7.67452
9 0	0.007843	0.003061	7.67452
10 0	0.007844	0.003059	7.67452
11 0	0.007844	0.003057	7.67453
12 0	0.007844	0.003054	7.67453
13 0	+0.007843	−0.003051	7.67454

Partielle Sonnenfinsternis 1928 November 12

φ	Östl. Länge von Greenwich	Anfang der Finsternis			Größte Phase		Ende der Finsternis		
		Welt-Zeit	P	Q	Welt-Zeit	Betrag	Welt-Zeit	P	Q
	m	h m	°	°	h m		h m	°	°
	25	7 50.1	3.1	38.1	8 32.4	0.13	9 17.0	64.0	86.8
	35	7 48.0	359.9	34.0	8 35.2	0.16	9 25.2	67.6	87.3
	45	7 46.3	356.9	30.0	8 38.2	0.19	9 33.2	70.9	87.5
45°	55	7 45.1	354.1	26.0	8 41.3	0.22	9 41.0	74.0	87.4
	65	7 44.2	351.3	22.0	8 44.5	0.25	9 48.6	76.9	86.9
	75	7 43.7	348.7	18.1	8 47.8	0.28	9 56.0	79.6	86.2
	85	7 43.6	346.3	14.3	8 51.3	0.32	10 3.3	82.0	85.2
	25	7 47.4	0.6	35.1	8 32.4	0.15	9 19.9	65.9	87.7
	35	7 45.6	357.7	31.2	8 35.1	0.18	9 27.6	69.3	88.2
	45	7 44.2	354.9	27.4	8 38.0	0.21	9 35.1	72.4	88.2
46°	55	7 43.3	352.2	23.6	8 41.0	0.24	9 42.4	75.4	88.1
	65	7 42.6	349.6	19.7	8 44.2	0.27	9 49.7	78.1	87.6
	75	7 42.3	347.1	15.9	8 47.4	0.30	9 56.8	80.6	86.9
	85	7 42.3	344.8	12.0	8 50.8	0.33	10 3.7	82.9	85.9
	25	7 45.0	358.2	32.1	8 32.4	0.17	9 22.5	67.8	88.6
	35	7 43.6	355.4	28.5	8 35.1	0.20	9 29.7	70.9	89.0
	45	7 42.3	352.8	24.8	8 37.9	0.23	9 36.8	73.8	89.0
47°	55	7 41.6	350.3	21.1	8 40.8	0.26	9 43.7	76.6	88.8
	65	7 41.2	347.8	17.4	8 43.9	0.29	9 50.7	79.2	88.3
	75	7 41.0	345.5	13.7	8 47.1	0.32	9 57.5	81.6	87.6
	85	7 41.1	343.2	9.9	8 50.4	0.35	10 4.1	83.8	86.7
	25	7 43.0	355.9	29.2	8 32.5	0.19	9 24.9	69.5	89.5
	35	7 41.8	353.3	25.8	8 35.1	0.22	9 31.7	72.4	89.7
	45	7 40.7	350.9	22.3	8 37.8	0.24	9 38.4	75.2	89.7
48°	55	7 40.2	348.5	18.8	8 40.7	0.27	9 45.0	77.8	89.5
	65	7 39.9	346.2	15.2	8 43.7	0.30	9 51.6	80.2	89.0
	75	7 39.8	343.9	11.5	8 46.8	0.33	9 58.1	82.5	88.3
	85	7 40.0	341.7	7.8	8 50.1	0.36	10 4.5	84.6	87.4
	25	7 41.2	353.7	26.4	8 32.6	0.21	9 27.1	71.2	90.3
	35	7 40.2	351.3	23.2	8 35.1	0.23	9 33.5	73.9	90.4
	45	7 39.4	349.0	19.8	8 37.8	0.26	9 39.9	76.5	90.4
49°	55	7 39.0	346.8	16.4	8 40.6	0.29	9 46.2	79.0	90.1
	65	7 38.8	344.5	13.0	8 43.5	0.32	9 52.5	81.3	89.6
	75	7 38.8	342.4	9.4	8 46.6	0.35	9 58.7	83.4	88.9
	85	7 39.1	340.3	5.8	8 49.8	0.38	10 4.8	85.5	88.0
	25	7 39.6	351.5	23.7	8 32.8	0.22	9 29.1	72.8	91.0
	35	7 38.8	349.3	20.6	8 35.2	0.25	9 35.2	75.3	91.1
	45	7 38.2	347.2	17.4	8 37.8	0.28	9 41.3	77.7	91.0
50°	55	7 37.9	345.0	14.1	8 40.6	0.31	9 47.3	80.1	90.7
	65	7 37.8	342.9	10.8	8 43.4	0.34	9 53.3	82.2	90.2
	75	7 37.9	340.9	7.3	8 46.4	0.36	9 59.3	84.3	89.5
	85	7 38.3	338.9	3.8	8 49.6	0.39	10 5.1	86.2	88.7

Partielle Sonnenfinsternis 1928 November 12

φ	Östl. Länge von Greenwich	Anfang der Finsternis			Größte Phase		Ende der Finsternis		
		Welt-Zeit	P	Q	Welt-Zeit	Betrag	Welt-Zeit	P	Q
	m	h m	°	°	h m		h m	°	°
	25	7 38.3	349.5	21.0	8 33.0	0.24	9 31.0	74.2	91.7
	35	7 37.6	347.4	18.1	8 35.4	0.27	9 36.8	76.6	91.7
	45	7 37.2	345.4	15.0	8 37.9	0.30	9 42.6	78.9	91.6
51°	55	7 36.9	343.4	11.9	8 40.6	0.32	9 48.4	81.1	91.3
	65	7 36.9	341.4	8.6	8 43.4	0.35	9 54.1	83.2	90.8
	75	7 37.2	339.4	5.3	8 46.3	0.38	9 59.8	85.1	90.1
	85	7 37.6	337.5	1.9	8 49.4	0.41	10 5.4	87.0	89.3
	25	7 37.2	347.6	18.4	8 33.3	0.26	9 32.8	75.6	92.3
	35	7 36.6	345.6	15.6	8 35.6	0.29	9 38.3	77.8	92.3
	45	7 36.3	343.7	12.7	8 38.1	0.31	9 43.8	80.0	92.1
52°	55	7 36.1	341.8	9.7	8 40.7	0.34	9 49.4	82.1	91.8
	65	7 36.2	339.9	6.6	8 43.4	0.37	9 54.8	84.0	91.3
	75	7 36.5	338.0	3.3	8 46.2	0.39	10 0.2	85.9	90.7
	85	7 37.0	336.2	0.0	8 49.2	0.42	10 5.6	87.7	89.9
	25	7 36.2	345.8	15.9	8 33.6	0.28	9 34.5	76.8	92.9
	35	7 35.8	343.9	13.2	8 35.8	0.30	9 39.8	79.0	92.8
	45	7 35.5	342.1	10.4	8 38.3	0.33	9 45.0	81.0	92.6
53°	55	7 35.5	340.3	7.5	8 40.8	0.36	9 50.3	83.0	92.3
	65	7 35.6	338.5	4.5	8 43.5	0.38	9 55.5	84.9	91.8
	75	7 36.0	336.7	1.4	8 46.2	0.41	10 0.6	86.6	91.2
	85	7 36.6	334.9	358.3	8 49.1	0.43	10 5.8	88.4	90.5
	25	7 35.3	344.1	13.4	8 33.9	0.30	9 36.1	78.0	93.4
	35	7 35.0	342.3	10.8	8 36.1	0.32	9 41.1	80.0	93.3
	45	7 34.9	340.5	8.1	8 38.5	0.35	9 46.1	82.0	93.1
54°	55	7 34.9	338.8	5.3	8 41.0	0.37	9 51.1	83.8	92.8
	65	7 35.1	337.1	2.5	8 43.6	0.40	9 56.1	85.6	92.3
	75	7 35.6	335.4	359.6	8 46.3	0.42	10 1.0	87.4	91.7
	85	7 36.2	333.7	356.6	8 49.1	0.45	10 6.0	89.0	91.0
	25	7 34.7	342.4	11.1	8 34.3	0.32	9 37.6	79.0	93.8
	35	7 34.4	340.7	8.5	8 36.5	0.34	9 42.4	81.0	93.7
	45	7 34.4	339.1	5.9	8 38.8	0.36	9 47.2	82.9	93.5
55°	55	7 34.5	337.4	3.2	8 41.2	0.39	9 51.9	84.6	93.2
	65	7 34.8	335.8	0.5	8 43.7	0.41	9 56.7	86.4	92.8
	75	7 35.3	334.1	357.7	8 46.3	0.43	10 1.4	88.0	92.2
	85	7 35.9	332.4	354.9	8 49.1	0.46	10 6.2	89.6	91.5

V. Totale Mondfinsternis 1928 November 27

Opposition in Rektaszension	November 27, $9^h 13^m 0^s.5$	Welt-Zeit
Rektaszension des Mondes	$4^h 11^m 47^s.53$	
Stündliche Änderung	2 38.50	
Rektaszension der Sonne	16 11 47.53	
Stündliche Änderung	10.67	
Deklination des Mondes	$+21° 32' 35''.7$	
Stündliche Änderung	+ 10 22.0	
Deklination der Sonne	—21 7 19.5	
Stündliche Änderung	— 0 27.5	
Äquatorialhorizontalparallaxe des Mondes . . .	$61' 28''.4$	
„ der Sonne . . .	8.9	
Halbmesser des Mondes	$16' 44''.2$	
„ der Sonne	16 12.8	

Anfang der Finsternis	November 27,	$7^h 23^m.8$	Welt-Zeit
Anfang der totalen Verfinsterung . .	»	8 33.1	„
Mitte der Finsternis	»	9 1.2	„
Ende der totalen Verfinsterung . .	»	9 29.3	„
Ende der Finsternis	»	10 39.0	„

Der Mond steht zu Beginn und Ende der Finsternis im Zenit der Orte, deren geographische Lage ist:

115° 9' westliche Länge von Greenwich, 21° 13' nördliche Breite
161 57 » » » » 21 47 nördliche Breite

Positionswinkel des Eintritts = 96°
» » Austritts = 231°

Größe der Finsternis in Einheiten des Monddurchmessers = 1.155.

Der Anfang der Finsternis ist sichtbar in den westlichen und nördlichen Teilen Europas, im Atlantischen Ozean, in Nordamerika, Südamerika, im Stillen Ozean und im nördlichen Teil Asiens. Das Ende ist sichtbar in Nordamerika, im nördlichen Teil Südamerikas, im Stillen Ozean, in Australien und im östlichen Teil Asiens.

0ʰ Welt-Zeit		Mondbewegung			Lage des Mondäquators gegen den Erdäquator							
		☊	$L_☾$	$M_☾$	i		Δ		☊′		Δ − ☋	
1928		°	°	°	°		°		°		°	
Jan.	− 1	77.7561	352.5051	319.13	23.168	14	261.269	535	356.175	6	3.513	5
	+ 9	77.2265	124.2691	89.78	23.154	14	260.734	534	356.181	6	3.508	5
	19	76.6970	256.0330	220.43	23.140	14	260.200	536	356.187	6	3.503	6
	29	76.1674	27.7970	351.08	23.126	14	259.664	535	356.193	7	3.497	6
Febr.	8	75.6379	159.5610	121.73	23.112	14	259.129	536	356.200	7	3.491	6
	18	75.1084	291.3249	252.38	23.098	13	258.593	536	356.207	7	3.485	7
	28	74.5788	63.0889	23.03	23.085	14	258.057	536	356.214	8	3.478	7
März	9	74.0493	194.8529	153.68	23.071	14	257.521	537	356.222	8	3.471	7
	19	73.5198	326.6168	284.33	23.057	14	256.984	537	356.230	8	3.464	8
	29	72.9902	98.3808	54.98	23.043	14	256.447	538	356.238	9	3.456	7
April	8	72.4607	230.1448	185.63	23.029	14	255.909	537	356.247	9	3.449	8
	18	71.9311	1.9087	316.28	23.015	13	255.372	538	356.256	9	3.441	9
	28	71.4016	133.6727	86.92	23.002	14	254.834	538	356.265	10	3.432	8
Mai	8	70.8721	265.4367	217.57	22.988	14	254.296	539	356.275	10	3.424	9
	18	70.3425	37.2006	348.22	22.974	14	253.757	539	356.285	10	3.415	10
	28	69.8130	168.9646	118.87	22.960	13	253.218	539	356.295	11	3.405	9
Juni	7	69.2834	300.7286	249.52	22.947	14	252.679	539	356.306	11	3.396	10
	17	68.7539	72.4925	20.17	22.933	13	252.140	540	356.317	11	3.386	11
	27	68.2244	204.2565	150.82	22.920	14	251.600	540	356.328	12	3.375	10
Juli	7	67.6948	336.0205	281.47	22.906	13	251.060	541	356.340	12	3.365	11
	17	67.1653	107.7845	52.12	22.893	13	250.519	540	356.352	12	3.354	11
	27	66.6358	239.5484	182.77	22.880	14	249.979	541	356.364	13	3.343	12
Aug.	6	66.1062	11.3124	313.42	22.866	13	249.438	542	356.377	13	3.331	12
	16	65.5767	143.0764	84.07	22.853	13	248.896	542	356.390	14	3.319	12
	26	65.0471	274.8403	214.72	22.840	14	248.354	541	356.404	13	3.307	12
Sept.	5	64.5176	46.6043	345.37	22.826	13	247.813	543	356.417	14	3.295	13
	15	63.9880	178.3682	116.02	22.813	13	247.270	542	356.431	14	3.282	13
	25	63.4585	310.1322	246.67	22.800	13	246.728	543	356.445	15	3.269	13
Okt.	5	62.9290	81.8962	17.32	22.787	13	246.185	543	356.460	15	3.256	14
	15	62.3994	213.6602	147.97	22.774	13	245.642	544	356.475	15	3.242	14
	25	61.8699	345.4241	278.62	22.761	13	245.098	544	356.490	16	3.228	14
Nov.	4	61.3404	117.1881	49.27	22.748	12	244.554	544	356.506	16	3.214	15
	14	60.8108	248.9520	179.92	22.736	13	244.010	544	356.522	16	3.199	14
	24	60.2813	20.7160	310.57	22.723	13	243.466	545	356.538	17	3.185	15
Dez.	4	59.7517	152.4800	81.22	22.710	12	242.921	545	356.555	17	3.170	16
	14	59.2222	284.2440	211.87	22.698	13	242.376	545	356.572	17	3.154	15
	24	58.6927	56.0079	342.52	22.685	13	241.831	545	356.589	18	3.139	17
	34	58.1631	187.7719	113.17	22.672		241.286		356.607		3.122	

Mondkrater Mösting A. 1928

Tag		$\alpha_☾ - \alpha_k$			$\delta_☾ - \delta_k$			$\log \sin p_k$		
		0ʰ Welt-Zeit								
1928		s	s	s	″	″	″			
Jan.	1	− 6.57			+127.5			8.23804		
	2	− 7.07	−0.50	−0.06	+111.1	−16.4	−3.2	8.24034	+230	− 76
	3	− 7.63	−0.56	−0.15	+ 91.5	−19.6	−1.1	8.24188	+154	−101
	4	− 8.34	−0.71	−0.21	+ 70.8	−20.7	+1.5	8.24241	+ 53	−124
	5	− 9.26	−0.92	−0.15	+ 51.6	−19.2	+3.8	8.24170	− 71	−138
	6	−10.33	−1.07	+0.02	+ 36.2	−15.4	+5.1	8.23961	−209	−134
	7	−11.38	−1.05	+0.25	+ 25.9	−10.3	+4.7	8.23618	−343	−117
	8	−12.18	−0.80	+0.40	+ 20.3	− 5.6	+2.9	8.23158	−460	− 80
	9	−12.58	−0.40	+0.46	+ 17.6	− 2.7	+1.1	8.22618	−540	− 40
	10	−12.52	+0.06	+0.42	+ 16.0	− 1.6	−0.5	8.22038	−580	+ 8
	11	−12.04	+0.48	+0.33	+ 13.9	− 2.1	−0.8	8.21466	−572	+ 51
	12	−11.23	+0.81	+0.28	+ 11.0	− 2.9	−0.4	8.20945	−521	+ 89
	13	−10.14	+1.09	+0.20	+ 7.7	− 3.3	+0.7	8.20513	−432	+116
	14	− 8.85	+1.29	+0.17	+ 5.1	− 2.6	+1.9	8.20197	−316	+135
	15	− 7.39	+1.46		+ 4.4	− 0.7		8.20016	−181	
Jan.	30	− 8.55			+ 87.2			8.23810		
	31	− 8.92	−0.37	−0.08	+ 69.5	−17.7	+0.7	8.23756	− 54	− 57
Febr.	1	− 9.37	−0.45	−0.12	+ 52.5	−17.0	+2.3	8.23645	−111	− 60
	2	− 9.94	−0.57	−0.07	+ 37.8	−14.7	+3.4	8.23474	−171	− 67
	3	−10.58	−0.64	+0.06	+ 26.5	−11.3	+3.8	8.23236	−238	− 69
	4	−11.16	−0.58	+0.20	+ 19.0	− 7.5	+3.2	8.22929	−307	− 65
	5	−11.54	−0.38	+0.30	+ 14.7	− 4.3	+2.0	8.22557	−372	− 52
	6	−11.62	−0.08	+0.34	+ 12.4	− 2.3	+0.7	8.22133	−424	− 30
	7	−11.36	+0.26	+0.31	+ 10.8	− 1.6	−0.1	8.21679	−454	− 2
	8	−10.79	+0.57	+0.29	+ 9.1	− 1.7	−0.1	8.21223	−456	+ 31
	9	− 9.93	+0.86	+0.25	+ 7.3	− 1.8	+0.4	8.20798	−425	+ 62
	10	− 8.82	+1.11	+0.21	+ 5.9	− 1.4	+1.1	8.20435	−363	+ 92
	11	− 7.50	+1.32	+0.16	+ 5.6	− 0.3	+2.5	8.20164	−271	+116
	12	− 6.02	+1.48	+0.11	+ 7.8	+ 2.2	+3.4	8.20009	−155	+133
	13	− 4.43	+1.59	0.00	+ 13.4	+ 5.6	+4.5	8.19987	− 22	+138
	14	− 2.84	+1.59		+ 23.5	+10.1		8.20103	+116	
Febr.	29	−11.22			+ 35.4			8.23352		
März	1	−11.62	−0.40	+0.12	+ 25.8	− 9.6	+3.2	8.23006	−346	− 14
	2	−11.90	−0.28	+0.20	+ 19.4	− 6.4	+2.3	8.22646	−360	− 8
	3	−11.98	−0.08	+0.22	+ 15.3	− 4.1	+1.6	8.22278	−368	− 3
	4	−11.84	+0.14	+0.24	+ 12.8	− 2.5	+0.8	8.21907	−371	− 3
	5	−11.46	+0.38	+0.23	+ 11.1	− 1.7	+0.2	8.21533	−374	+ 7
	6	−10.85	+0.61	+0.22	+ 9.6	− 1.5	+0.1	8.21166	−367	+ 14
	7	−10.02	+0.83	+0.20	+ 8.2	− 1.4	+0.6	8.20813	−353	+ 33

Tag	0h Welt Zeit								
	$\alpha_☾ - \alpha_k$			$\delta_☾ - \delta_k$			$\log \sin p_k$		
1928	s	s	s	″	″	″			
März 7	−10.02		+0.20	+ 8.2		+0.6	8.20813		+ 33
8	− 8.99	+1.03	+0.20	+ 7.4	− 0.8	+1.1	8.20493	−320	+ 50
9	− 7.76	+1.23	+0.17	+ 7.7	+ 0.3	+1.9	8.20223	−270	+ 73
10	− 6.36	+1.40	+0.14	+ 9.9	+ 2.2	+3.0	8.20026	−197	+ 91
11	− 4.82	+1.54	+0.07	+ 15.1	+ 5.2	+3.7	8.19920	−106	+112
12	− 3.21	+1.61	−0.05	+ 24.0	+ 8.9	+4.5	8.19926	+ 6	+123
13	− 1.65	+1.56	−0.21	+ 37.4	+13.4	+4.5	8.20055	+129	+133
14	− 0.30	+1.35		+ 55.3	+17.9		8.20317	+262	
März 30	−13.50			+ 17.0			8.22352		
31	−13.20	+0.30	+0.27	+ 16.0	− 1.0	− 0.1	8.21869	−483	+ 44
April 1	−12.63	+0.57	+0.21	+ 14.9	− 1.1	− 0.2	8.21430	−439	+ 48
2	−11.85	+0.78	+0.18	+ 13.6	− 1.3	− 0.2	8.21039	−391	+ 49
3	−10.89	+0.96	+0.15	+ 12.1	− 1.5	+0.5	8.20697	−342	+ 51
4	− 9.78	+1.11	+0.15	+ 11.1	− 1.0	+1.1	8.20406	−291	+ 51
5	− 8.52	+1.26	+0.12	+ 11.2	+ 0.1	+1.8	8.20166	−240	+ 56
6	− 7.14	+1.38	+0.12	+ 13.1	+ 1.9	+2.7	8.19982	−184	+ 64
7	− 5.64	+1.50	+0.07	+ 17.7	+ 4.6	+3.5	8.19862	−120	+ 77
8	− 4.07	+1.57	+0.01	+ 25.8	+ 8.1	+3.9	8.19819	− 43	+ 88
9	− 2.49	+1.58	−0.13	+ 37.8	+12.0	+4.2	8.19864	+ 45	+103
10	− 1.04	+1.45	−0.29	+ 54.0	+16.2	+3.9	8.20012	+148	+111
11	+ 0.12	+1.16	−0.45	+ 74.1	+20.1	+2.6	8.20271	+259	+117
12	+ 0.83	+0.71	−0.56	+ 96.8	+22.7	+0.4	8.20647	+376	+116
13	+ 0.98	+0.15		+119.9	+23.1		8.21139	+492	
April 28	−14.13			+ 18.7			8.21742		
29	−13.32	+0.81	+0.23	+ 18.8	+ 0.1	− 1.0	8.21213	−529	+ 85
30	−12.28	+1.04	+0.16	+ 17.9	− 0.9	− 0.3	8.20769	−444	+ 85
Mai 1	−11.08	+1.20	+0.12	+ 16.7	− 1.2	+0.7	8.20410	−359	+ 85
2	− 9.76	+1.32	+0.10	+ 16.2	− 0.5	+1.5	8.20136	−274	+ 81
3	− 8.34	+1.42	+0.08	+ 17.2	+ 1.0	+2.6	8.19943	−193	+ 73
4	− 6.84	+1.50	+0.05	+ 20.8	+ 3.6	+3.3	8.19823	−120	+ 72
5	− 5.29	+1.55	−0.01	+ 27.7	+ 6.9	+3.8	8.19775	− 48	+ 70
6	− 3.75	+1.54	−0.10	+ 38.4	+10.7	+3.9	8.19797	+ 22	+ 75
7	− 2.31	+1.44	−0.23	+ 53.0	+14.6	+3.7	8.19894	+ 97	+ 77
8	− 1.10	+1.21	−0.36	+ 71.3	+18.3	+2.6	8.20068	+174	+ 87
9	− 0.25	+0.85	−0.45	+ 92.2	+20.9	+1.0	8.20329	+261	+ 91
10	+ 0.15	+0.40	−0.46	+114.1	+21.9	−1.2	8.20681	+352	+ 94
11	+ 0.09	−0.06	−0.37	+134.8	+20.7	−3.6	8.21127	+446	+ 90
12	− 0.34	−0.43		+151.9	+17.1		8.21663	+536	

Mondkrater Mösting A. 1928

Tag	0h Welt-Zeit								
	$\alpha_{☾} - \alpha_k$			$\delta_{☾} - \delta_k$			log sin p_k		
1928	s	s	s	″	″	″			
Mai 28	−12.36	+1.30		+ 22.0	− 0.4		8.20709	−389	
29	−11.06	+1.42	+0.12	+ 21.6	+ 0.3	+0.7	8.20320	−277	+112
30	− 9.64	+1.50	+0.08	+ 21.9	+ 2.4	+2.1	8.20043	−170	+107
31	− 8.14	+1.55	+0.05	+ 24.3	+ 5.4	+3.0	8.19873	− 73	+ 97
Juni 1	− 6.59	+1.52	−0.03	+ 29.7	+ 9.0	+3.6	8.19800	+ 14	+ 87
2	− 5.07	+1.42	−0.10	+ 38.7	+12.9	+3.9	8.19814	+ 89	+ 75
3	− 3.65	+1.19	−0.23	+ 51.6	+16.6	+3.7	8.19903	+157	+ 68
4	− 2.46	+0.85	−0.34	+ 68.2	+19.2	+2.6	8.20060	+220	+ 63
5	− 1.61	+0.44	−0.41	+ 87.4	+20.2	+1.0	8.20280	+279	+ 59
6	− 1.17	+0.04	−0.40	+107.6	+19.3	−0.9	8.20559	+340	+ 61
7	− 1.13	−0.27	−0.31	+126.9	+16.5	−2.8	8.20899	+400	+ 60
8	− 1.40	−0.43	−0.16	+143.4	+12.0	−4.5	8.21299	+460	+ 60
9	− 1.83	−0.48	−0.05	+155.4	+ 6.2	−5.8	8.21759	+514	+ 54
10	− 2.31	−0.45	+0.03	+161.6	− 0.6	−6.8	8.22273	+554	+ 40
11	− 2.76			+161.0			8.22827		
Juni 26	−10.59	+1.43		+ 25.9	+ 1.9		8.20353	−280	
27	− 9.16	+1.51	+0.08	+ 27.8	+ 4.1	+2.2	8.20073	−154	+126
28	− 7.65	+1.52	+0.01	+ 31.9	+ 7.4	+3.3	8.19919	− 35	+119
29	− 6.13	+1.43	−0.09	+ 39.3	+11.1	+3.7	8.19884	+ 70	+105
30	− 4.70	+1.21	−0.22	+ 50.4	+14.7	+3.6	8.19954	+160	+ 90
Juli 1	− 3.49	+0.86	−0.35	+ 65.1	+17.6	+2.9	8.20114	+232	+ 72
2	− 2.63	+0.43	−0.43	+ 82.7	+18.9	+1.3	8.20346	+287	+ 55
3	− 2.20	+0.01	−0.42	+101.6	+18.2	−0.7	8.20633	+328	+ 41
4	− 2.19	−0.32	−0.33	+119.8	+15.4	−2.8	8.20961	+357	+ 29
5	− 2.51	−0.48	−0.16	+135.2	+11.1	−4.3	8.21318	+379	+ 22
6	− 2.99	−0.48	0.00	+146.3	+ 5.7	−5.4	8.21697	+398	+ 19
7	− 3.47	−0.38	+0.10	+152.0	− 0.1	−5.8	8.22095	+408	+ 10
8	− 3.85	−0.26	+0.12	+151.9	− 6.1	−6.0	8.22503	+417	+ 9
9	− 4.11	−0.19	+0.07	+145.8	−11.9	−5.8	8.22920	+414	− 3
10	− 4.30			+133.9			8.23334		
Juli 26	− 6.77	+1.45		+ 40.3	+ 9.5		8.19994	0	
27	− 5.32	+1.29	−0.16	+ 49.8	+13.1	+3.6	8.19994	+124	+124
28	− 4.03	+0.97	−0.32	+ 62.9	+16.3	+3.2	8.20118	+231	+107
29	− 3.06	+0.53	−0.44	+ 79.2	+18.0	+1.7	8.20349	+317	+ 86
30	− 2.53	+0.04	−0.49	+ 97.2	+17.9	−0.1	8.20666	+376	+ 59
31	− 2.49	−0.37	−0.41	+115.1	+15.3	−2.6	8.21042	+410	+ 34
Aug. 1	− 2.86	−0.63	−0.26	+130.4	+10.7	−4.6	8.21452	+418	+ 8
2	− 3.49		−0.05	+141.1		−5.8	8.21870		− 13

Tag		0ʰ Welt-Zeit								
		$\alpha_☾ - \alpha_k$			$\delta_☾ - \delta_k$			log sin p_k		
1928										
Aug.	2	− 3.49	−0.68	−0.05	+141.1	+ 4.9	−5.8	8.21870	+405	− 13
	3	− 4.17	−0.60	+0.08	+146.0	− 1.0	−5.9	8.22275	+375	− 30
	4	− 4.77	−0.43	+0.17	+145.0	− 6.9	−5.9	8.22650	+337	− 38
	5	− 5.20	−0.29	+0.14	+138.1	−12.2	−5.3	8.22987	+292	− 45
	6	− 5.49	−0.19	+0.10	+125.9	−16.7	−4.5	8.23279	+247	− 45
	7	− 5.68	−0.20	−0.01	+109.2	−20.1	−3.4	8.23526	+199	− 48
	8	− 5.88	−0.32	−0.12	+ 89.1	−22.1	−2.0	8.23725	+148	− 51
	9	− 6.20			+ 67.0			8.23873		
Aug.	24	− 4.26	+1.15		+ 62.1	+15.0		8.20048	+166	
	25	− 3.11	+0.77	−0.38	+ 77.1	+17.4	+2.4	8.20214	+292	+126
	26	− 2.34	+0.26	−0.51	+ 94.5	+18.1	+0.7	8.20506	+398	+106
	27	− 2.08	−0.22	−0.48	+112.6	+16.4	−1.7	8.20904	+473	+ 75
	28	− 2.30	−0.62	−0.40	+129.0	+12.3	−4.1	8.21377	+516	+ 43
	29	− 2.92	−0.82	−0.20	+141.3	+ 6.2	−6.1	8.21893	+520	+ 4
	30	− 3.74	−0.85	−0.03	+147.5	− 0.8	−7.0	8.22413	+485	− 35
	31	− 4.59	−0.75	+0.10	+146.7	− 7.7	−6.9	8.22898	+418	− 67
Sept.	1	− 5.34	−0.63	+0.12	+139.0	−13.9	−6.2	8.23316	+327	− 91
	2	− 5.97	−0.51	+0.12	+125.1	−18.7	−4.8	8.23643	+222	−105
	3	− 6.48	−0.48	+0.03	+106.4	−21.6	−2.9	8.23865	+116	−106
	4	− 6.96	−0.50	−0.02	+ 84.8	−22.5	−0.9	8.23981	+ 20	− 96
	5	− 7.46	−0.63	−0.13	+ 62.3	−21.4	+1.1	8.24001	− 61	− 81
	6	− 8.09	−0.80	−0.17	+ 40.9	−18.1	+3.3	8.23940	−129	− 68
	7	− 8.89			+ 22.8			8.23811		
Sept.	23	− 1.62	+0.13		+110.6	+17.6		8.20526	+450	
	24	− 1.49	−0.31	−0.44	+128.2	+14.8	−2.8	8.20976	+547	+ 97
	25	− 1.80	−0.64	−0.33	+143.0	+ 9.7	−5.1	8.21523	+613	+ 66
	26	− 2.44	−0.81	−0.17	+152.7	+ 2.7	−7.0	8.22136	+634	+ 21
	27	− 3.25	−0.87	−0.06	+155.4	− 5.4	−8.1	8.22770	+605	− 29
	28	− 4.12	−0.85	+0.02	+150.0	−13.3	−7.9	8.23375	+522	− 83
	29	− 4.97	−0.84	+0.01	+136.7	−20.1	−6.8	8.23897	+396	−126
	30	− 5.81	−0.86	−0.02	+116.6	−24.8	−4.7	8.24293	+239	−157
Okt.	1	− 6.67	−0.94	−0.08	+ 91.8	−26.3	−1.5	8.24532	+ 69	−170
	2	− 7.61	−1.08	−0.14	+ 65.5	−24.7	+1.6	8.24601	− 91	−160
	3	− 8.69	−1.21	−0.13	+ 40.8	−19.9	+4.8	8.24510	−225	−134
	4	− 9.90	−1.24	−0.03	+ 20.9	−13.3	+6.6	8.24285	−327	−102
	5	−11.14	−1.10	+0.14	+ 7.6	− 6.2	+7.1	8.23958	−391	− 64
	6	−12.24	−0.77	+0.33	+ 1.4	− 0.4	+5.8	8.23567	−422	− 31
	7	−13.01			+ 1.0			8.23145		

Tag	0h Welt-Zeit								
	$\alpha_☾ - \alpha_k$			$\delta_☾ - \delta_k$			$\log \sin p_k$		
1928									
Okt. 22	$-1^s.18$			$+141''.9$			8.20894		
23	-1.40	$-0^s.22$	$-0^s.21$	$+154.8$	$+12''.9$	$-5''.5$	8.21462	$+568$	$+89$
24	-1.83	-0.43	-0.14	$+162.2$	$+7.4$	-7.3	8.22119	$+657$	$+51$
25	-2.40	-0.57	-0.08	$+162.3$	$+0.1$	-8.4	8.22827	$+708$	-2
26	-3.05	-0.65	-0.09	$+154.0$	-8.3	-8.6	8.23533	$+706$	-60
27	-3.79	-0.74	-0.14	$+137.1$	-16.9	-7.6	8.24179	$+646$	-126
28	-4.67	-0.88	-0.23	$+112.6$	-24.5	-4.9	8.24699	$+520$	-178
29	-5.78	-1.11	-0.30	$+83.2$	-29.4	-0.8	8.25041	$+342$	-213
30	-7.19	-1.41	-0.32	$+53.0$	-30.2	$+3.9$	8.25170	$+129$	-221
31	-8.92	-1.73	-0.18	$+26.7$	-26.3	$+8.1$	8.25078	-92	-197
Nov. 1	-10.83	-1.91	$+0.10$	$+8.5$	-18.2	$+9.7$	8.24789	-289	-156
2	-12.64	-1.81	$+0.46$	0.0	-8.5	$+8.5$	8.24344	-445	-100
3	-13.99	-1.35	$+0.64$	0.0	0.0	$+5.3$	8.23799	-545	-49
4	-14.70	-0.71	$+0.64$	$+5.3$	$+5.3$	$+1.9$	8.23205	-594	-1
5	-14.77	-0.07		$+12.5$	$+7.2$		8.22610	-595	
Nov. 21	-1.61			$+165.1$			8.21941		
22	-1.78	-0.17	-0.08	$+162.9$	-2.2	-7.9	8.22636	$+695$	$+34$
23	-2.03	-0.25	-0.14	$+152.8$	-10.1	-8.5	8.23365	$+729$	-22
24	-2.42	-0.39	-0.26	$+134.2$	-18.6	-7.8	8.24072	$+707$	-87
25	-3.07	-0.65	-0.42	$+107.8$	-26.4	-5.1	8.24692	$+620$	-153
26	-4.14	-1.07	-0.55	$+76.3$	-31.5	-0.6	8.25159	$+467$	-211
27	-5.76	-1.62	-0.56	$+44.2$	-32.1	$+5.3$	8.25415	$+256$	-241
28	-7.94	-2.18	-0.31	$+17.4$	-26.8	$+10.2$	8.25430	$+15$	-243
29	-10.43	-2.49	$+0.17$	$+0.8$	-16.6	$+11.9$	8.25202	-228	-210
30	-12.75	-2.32	$+0.65$	-3.9	-4.7	$+9.5$	8.24764	-438	-155
Dez. 1	-14.42	-1.67	$+0.86$	$+0.9$	$+4.8$	$+4.8$	8.24171	-593	-90
2	-15.23	-0.81	$+0.76$	$+10.5$	$+9.6$	$+0.6$	8.23488	-683	-27
3	-15.28	-0.05	$+0.57$	$+20.7$	$+10.2$	-1.7	8.22778	-710	$+28$
4	-14.76	$+0.52$	$+0.36$	$+29.2$	$+8.5$	-2.1	8.22096	-682	$+65$
5	-13.88	$+0.88$		$+35.6$	$+6.4$		8.21479	-617	
Dez. 20	-1.82			$+153.4$			8.22422		
21	-1.65	$+0.17$	-0.15	$+141.1$	-12.3	-7.4	8.23069	$+647$	$+7$
22	-1.63	$+0.02$	-0.31	$+121.4$	-19.7	-6.7	8.23723	$+654$	-40
23	-1.92	-0.29	-0.51	$+95.0$	-26.4	-4.5	8.24337	$+614$	-102
24	-2.72	-0.80	-0.70	$+64.1$	-30.9	-0.1	8.24849	$+512$	-162
25	-4.22	-1.50	-0.74	$+33.1$	-31.0	$+5.8$	8.25199	$+350$	-209
26	-6.46	-2.24	-0.44	$+7.9$	-25.2	$+11.1$	8.25340	$+141$	-235
27	-9.14	-2.68	$+0.15$	-6.2	-14.1	$+12.5$	8.25246	-94	-230
28	-11.67	-2.53	$+0.67$	-7.8	-1.6	$+9.6$	8.24922	-324	-193
29	-13.53	-1.86	$+0.89$	$+0.2$	$+8.0$	$+4.6$	8.24405	-517	-137
30	-14.50	-0.97	$+0.78$	$+12.8$	$+12.6$	0.0	8.23751	-654	-67
31	-14.69	-0.19		$+25.4$	$+12.6$		8.23030	-721	

Verfinsterungen: E. Eintritte, A. Austritte (in Welt-Zeit)

TRABANT I

		h	m	
Jan.	1	7	8.8	A.
	3	1	37.6	A.
	4	20	6.5	A.
	6	14	35.3	A.
	8	9	4.2	A.
	10	3	33.0	A.
	11	22	1.9	A.
	13	16	30.7	A.
	15	10	59.6	A.
	17	5	28.4	A.
	18	23	57.2	A.
	20	18	26.0	A.
	22	12	54.9	A.
	24	7	23.7	A.
	26	1	52.5	A.
	27	20	21.3	A.
	29	14	50.1	A.
	31	9	18.9	A.
Febr.	2	3	47.7	A.
	3	22	16.5	A.
	5	16	45.3	A.
	7	11	14.0	A.
	9	5	42.8	A.
	11	0	11.6	A.
	12	18	40.4	A.
	14	13	9.1	A.
	16	7	37.9	A.
	18	2	6.6	A.
	19	20	35.4	A.
	21	15	4.1	A.
	23	9	32.9	A.
	25	4	1.6	A.
	26	22	30.4	A.
	28	16	59.1	A.
März	1	11	27.8	A.
	3	5	56.5	A.
	5	0	25.3	A.
	6	18	53.9	A.
	8	13	22.7	A.
	10	7	51.4	A.
	12	2	20.1	A.
	13	20	48.7	A.
	15	15	17.4	A.
	17	9	46.1	A.
	19	4	14.8	A.
	20	22	43.5	A.
	22	17	12.1	A.
	24	11	40.8	A.
	26	6	9.5	A.

TRABANT I

		h	m	
März	28	0	38.1	A.
	29	19	6.8	A.
März	31	13	35.4	A.
Mai	16	11	47.7	E.
	18	6	16.3	E.
	20	0	44.8	E.
	21	19	13.4	E.
	23	13	42.0	E.
	25	8	10.5	E.
	27	2	39.1	E.
	28	21	7.6	E.
	30	15	36.2	E.
Juni	1	10	4.7	E.
	3	4	33.3	E.
	4	23	1.8	E.
	6	17	30.4	E.
	8	11	58.9	E.
	10	6	27.4	E.
	12	0	56.0	E.
	13	19	24.5	E.
	15	13	53.1	E.
	17	8	21.6	E.
	19	2	50.2	E.
	20	21	18.7	E.
	22	15	47.2	E.
	24	10	15.7	E.
	26	4	44.3	E.
	27	23	12.8	E.
	29	17	41.4	E.
Juli	1	12	9.9	E.
	3	6	38.4	E.
	5	1	6.9	E.
	6	19	35.5	E.
	8	14	4.0	E.
	10	8	32.6	E.
	12	3	1.1	E.
	13	21	29.6	E.
	15	15	58.1	E.
	17	10	26.7	E.
	19	4	55.2	E.
	20	23	23.7	E.
	22	17	52.2	E.
	24	12	20.8	E.
	26	6	49.3	E.
	28	1	17.9	E.
	29	19	46.4	E.
	31	14	14.9	E.
Aug.	2	8	43.5	E.
	4	3	12.0	E.

TRABANT I

		h	m	
Aug.	5	21	40.5	E.
	7	16	9.1	E.
	9	10	37.6	E.
	11	5	6.2	E.
	12	23	34.7	E.
	14	18	3.3	E.
	16	12	31.8	E.
	18	7	0.4	E.
	20	1	29.0	E.
	21	19	57.6	E.
	23	14	26.1	E.
	25	8	54.7	E.
	27	3	23.3	E.
	28	21	51.9	E.
	30	16	20.4	E.
Sept.	1	10	49.1	E.
	3	5	17.6	E.
	4	23	46.2	E.
	6	18	14.8	E.
	8	12	43.4	E.
	10	7	12.0	E.
	12	1	40.7	E.
	13	20	9.2	E.
	15	14	37.9	E.
	17	9	6.5	E.
	19	3	35.2	E.
	20	22	3.8	E.
	22	16	32.5	E.
	24	11	1.0	E.
	26	5	29.8	E.
	27	23	58.4	E.
	29	18	27.1	E.
Okt.	1	12	55.7	E.
	3	7	24.5	E.
	5	1	53.1	E.
	6	20	21.9	E.
	8	14	50.5	E.
	10	9	19.2	E.
	12	3	48.0	E.
	13	22	16.7	E.
	15	16	45.4	E.
	17	11	14.2	E.
	19	5	42.9	E.
	21	0	11.7	E.
	22	18	40.4	E.
	24	13	9.2	E.
	26	7	37.9	E.
	28	2	6.8	E.
	29	22	46.1	A.

TRABANT I

		h	m	
Okt.	31	17	15.0	A.
Nov.	2	11	43.7	A.
	4	6	12.6	A.
	6	0	41.3	A.
	7	19	10.2	A.
	9	13	39.0	A.
	11	8	7.9	A.
	13	2	36.6	A.
	14	21	5.5	A.
	16	15	34.3	A.
	18	10	3.2	A.
	20	4	32.0	A.
	21	23	0.9	A.
	23	17	29.7	A.
	25	11	58.6	A.
	27	6	27.4	A.
	29	0	56.4	A.
	30	19	25.2	A.
Dez.	2	13	54.1	A.
	4	8	23.0	A.
	6	2	51.9	A.
	7	21	20.8	A.
	9	15	49.7	A.
	11	10	18.6	A.
	13	4	47.5	A.
	14	23	16.4	A.
	16	17	45.4	A.
	18	12	14.2	A.
	20	6	43.2	A.
	22	1	12.1	A.
	23	19	41.0	A.
	25	14	9.9	A.
	27	8	38.9	A.
	29	3	7.8	A.
	30	21	36.7	A.

TRABANT II

		h	m	
Jan.	1	1	34.9	A.
	4	12	21.6	E.
	4	14	53.7	A.
	8	1	41.4	E.
	8	4	13.3	A.
	11	17	32.2	A.
	15	6	51.8	A.
	18	20	10.7	A.
	22	9	30.4	A.
	25	22	49.3	A.
	29	12	9.0	A.
Febr.	2	1	27.9	A.

Verfinsterungen: E. Eintritte, A. Austritte (in Welt-Zeit)

TRABANT II

		h	m	
Febr.	5	14	47.6	A.
	9	4	6.5	A.
	12	17	26.2	A.
	16	6	45.0	A.
	19	20	4.8	A.
	23	9	23.6	A.
	26	22	43.3	A.
März	1	12	2.0	A.
	5	1	21.7	A.
	8	14	40.4	A.
	12	4	0.0	A.
	15	17	18.6	A.
	19	6	38.2	A.
	22	19	56.8	A.
	26	9	16.2	A.
März	29	22	34.8	A.
Mai	15	1	13.8	E.
	18	14	32.1	E.
	22	3	50.7	E.
	25	17	9.1	E.
	29	6	27.4	E.
Juni	1	19	45.5	E.
	5	9	4.0	E.
	8	22	22.0	E.
	12	11	40.2	E.
	16	0	58.2	E.
	19	14	16.3	E.
	23	3	34.2	E.
	23	5	55.7	A.
	26	16	52.2	E.
	26	19	13.5	A.
	30	6	9.9	E.
	30	8	31.0	A.
Juli	3	19	27.8	E.
	3	21	48.8	A.
	7	8	45.5	E.
	7	11	6.3	A.
	10	22	3.3	E.
	11	0	23.9	A.
	14	11	20.9	E.
	14	13	41.3	A.
	18	0	38.5	E.
	18	2	58.8	A.
	21	13	56.2	E.
	21	16	16.2	A.
	25	3	13.7	E.
	25	5	33.5	A.
	28	16	31.2	E.
	28	18	50.9	A.

TRABANT II

		h	m	
Aug.	1	5	48.7	E.
	1	8	8.2	A.
	4	19	6.1	E.
	4	21	25.5	A.
	8	8	23.6	E.
	8	10	42.7	A.
	11	21	40.9	E.
	12	0	0.0	A.
	15	10	58.3	E.
	15	13	17.2	A.
	19	0	15.7	E.
	19	2	34.4	A.
	22	13	33.0	E.
	22	15	51.6	A.
	26	2	50.3	E.
	26	5	8.7	A.
	29	16	7.6	E.
	29	18	25.9	A.
Sept.	2	5	24.9	E.
	2	7	43.1	A.
	5	18	42.2	E.
	5	21	0.2	A.
	9	7	59.5	E.
	12	21	16.8	E.
	16	10	34.1	E.
	19	23	51.4	E.
	23	13	8.7	E.
	27	2	26.1	E.
	30	15	43.4	E.
Okt.	4	5	0.8	E.
	7	18	18.2	E.
	11	7	35.6	E.
	14	20	53.1	E.
	18	10	10.7	E.
	21	23	28.2	E.
	25	12	45.8	E.
	29	2	3.5	E.
	29	4	20.1	A.
Nov.	1	17	37.7	A.
	5	6	55.4	A.
	8	20	13.1	A.
	12	9	30.9	A.
	15	22	48.8	A.
	19	12	6.7	A.
	23	1	24.6	A.
	26	14	42.7	A.
	30	4	0.7	A.
Dez.	3	17	18.8	A.
	7	6	37.0	A.

TRABANT II

		h	m	
Dez.	10	19	55.3	A.
	14	9	13.5	A.
	17	22	31.9	A.
	21	9	34.1	E.
	21	11	50.3	A.
	24	22	52.6	E.
	25	1	8.7	A.
	28	12	11.1	E.
	28	14	27.2	A.

TRABANT III

		h	m	
Jan.	2	7	5.8	E.
	2	9	42.3	A.
	9	11	8.3	E.
	9	13	43.6	A.
	16	15	11.0	E.
	16	17	45.1	A.
	23	19	14.3	E.
	23	21	47.0	A.
	30	23	16.8	E.
	31	1	48.3	A.
Febr.	7	3	19.4	E.
	7	5	49.7	A.
	14	7	21.5	E.
	14	9	50.5	A.
	21	11	23.4	E.
	21	13	51.3	A.
	28	15	25.6	E.
	28	17	52.2	A.
März	6	21	53.2	A.
	14	1	54.7	A.
	21	5	55.5	A.
März	28	9	56.2	A.
Mai	17	11	45.8	E.
	17	13	59.3	A.
	24	15	46.7	E.
	24	17	59.1	A.
	31	19	47.6	E.
	31	21	58.9	A.
Juni	7	23	48.8	E.
	8	1	59.1	A.
	15	3	50.1	E.
	15	5	59.2	A.
	22	7	51.8	E.
	22	9	59.8	A.
	29	11	52.8	E.
	29	13	59.8	A.
Juli	6	15	53.9	E.
	6	17	59.9	A.

TRABANT III

		h	m	
Juli	13	19	54.5	E.
	13	21	59.5	A.
	20	23	55.1	E.
	21	1	59.2	A.
	28	3	56.0	E.
	28	5	59.2	A.
Aug.	4	7	57.1	E.
	4	9	59.3	A.
	11	11	58.7	E.
	11	14	0.1	A.
	18	15	59.6	E.
	18	18	0.1	A.
	25	20	0.7	E.
	25	22	0.3	A.
Sept.	2	0	1.2	E.
	2	2	0.1	A.
	9	4	2.0	E.
	9	6	0.1	A.
	16	8	3.2	E.
	16	10	0.5	A.
	23	12	4.6	E.
	23	14	1.1	A.
	30	16	6.5	E.
	30	18	2.4	A.
Okt.	7	20	7.7	E.
	7	22	3.0	A.
	15	0	9.1	E.
	22	4	10.3	E.
	29	8	11.6	E.
	29	10	5.2	A.
Nov.	5	14	6.6	A.
	12	18	8.1	A.
	19	20	18.0	E.
	19	22	10.3	A.
	27	0	19.9	E.
	27	2	11.8	A.
Dez.	4	4	21.8	E.
	4	6	13.5	A.
	11	8	23.5	E.
	11	10	14.9	A.
	18	12	25.3	E.
	18	14	16.4	A.
	25	16	27.6	E.
	25	18	18.4	A.

TRABANT IV

wird nicht verfinstert.

0h Welt-Zeit		α	β	p_a	a	b	U'	B'	P'
1928		"	"	"	"	"	°	°	°
Jan.	1	15.31	14.04	—0.01	34.48	+15.35	81.714	+26.170	—3.893
	5	15.35	14.07	0.01	34.59	15.40	81.848	26.182	3.830
	9	15.40	14.12	0.01	34.70	15.46	81.983	26.194	3.767
	13	15.45	14.17	0.01	34.82	15.52	82.117	26.206	3.704
	17	15.51	14.23	0.02	34.95	15.59	82.252	26.217	3.641
	21	15.58	14.29	—0.02	35.09	+15.66	82.386	+26.228	—3.578
	25	15.65	14.36	0.02	35.25	15.74	82.521	26.239	3.515
	29	15.73	14.43	0.02	35.42	15.82	82.655	26.250	3.452
Febr.	2	15.81	14.50	0.03	35.60	15.90	82.790	26.261	3.389
	6	15.89	14.58	0.03	35.79	15.98	82.924	26.272	3.326
	10	15.98	14.66	—0.03	35.99	+16.07	83.059	+26.283	—3.263
	14	16.07	14.74	0.03	36.20	16.16	83.194	26.294	3.200
	18	16.17	14.83	0.03	36.42	16.26	83.329	26.304	3.137
	22	16.27	14.92	0.04	36.64	16.36	83.464	26.315	3.074
	26	16.38	15.02	0.04	36.87	16.46	83.598	26.325	3.011
März	1	16.48	15.12	—0.04	37.11	+16.56	83.733	+26.336	—2.948
	5	16.59	15.22	0.04	37.36	16.67	83.868	26.346	2.884
	9	16.70	15.32	0.04	37.61	16.77	84.003	26.356	2.821
	13	16.81	15.42	0.04	37.86	16.88	84.137	26.366	2.757
	17	16.92	15.52	0.04	38.12	16.99	84.272	26.376	2.694
	21	17.04	15.63	—0.04	38.38	+17.10	84.407	+26.386	—2.630
	25	17.15	15.74	0.04	38.64	17.21	84.541	26.396	2.567
	29	17.27	15.84	0.04	38.89	17.33	84.676	26.405	2.504
April	2	17.38	15.94	0.04	39.14	17.44	84.811	26.415	2.441
	6	17.49	16.04	0.03	39.39	17.54	84.946	26.424	2.378
	10	17.60	16.14	—0.03	39.63	+17.65	85.080	+26.433	—2.315
	14	17.70	16.24	0.03	39.87	17.75	85.215	26.442	2.252
	18	17.80	16.33	0.03	40.10	17.85	85.350	26.451	2.189
	22	17.90	16.42	0.02	40.32	17.94	85.485	26.460	2.125
	26	17.99	16.50	0.02	40.53	18.03	85.620	26.469	2.062
	30	18.08	16.58	—0.02	40.72	+18.11	85.755	+26.477	—1.998
Mai	4	18.16	16.65	0.02	40.89	18.18	85.890	26.486	1.935
	8	18.23	16.72	0.01	41.05	18.26	86.025	26.494	1.871
	12	18.29	16.79	0.01	41.19	18.32	86.159	26.502	1.808
	16	18.34	16.84	0.01	41.32	18.37	86.294	26.510	1.744
	20	18.39	16.88	—0.01	41.43	+18.41	86.429	+26.518	—1.681
	24	18.43	16.91	0.00	41.52	18.45	86.564	26.525	1.617
	28	18.46	16.93	0.00	41.58	18.48	86.699	26.532	1.554
Juni	1	18.48	16.94	0.00	41.62	18.49	86.834	26.540	1.490
	5	18.49	16.95	0.00	41.64	18.50	86.969	26.547	1.427
	9	18.49	16.96	0.00	41.65	+18.51	87.104	+26.554	—1.363
	13	18.48	16.95	0.00	41.63	18.49	87.239	26.561	1.300
	17	18.46	16.93	0.00	41.59	18.46	87.374	26.568	1.236
	21	18.43	16.90	0.00	41.52	18.43	87.509	26.575	1.173
	25	18.39	16.87	0.00	41.43	18.40	87.644	26.581	1.109
	29	18.34	16.83	+0.01	41.32	+18.36	87.779	+26.588	—1.046
Juli	3	18.29	16.78	0.01	41.20	18.30	87.914	26.594	0.982

0h Welt-Zeit	α	β	p_a	a	b	U'	B'	P'
1928	"	"	"	"	"	°	°	°
Juli 3	18.29	16.78	+0.01	41.20	+18.30	87.914	+26.594	—0.982
7	18.23	16.72	0.01	41.06	18.23	88.049	26.600	0.919
11	18.16	16.66	0.01	40.90	18.16	88.184	26.606	0.855
15	18.08	16.59	0.02	40.72	18.08	88.319	26.612	0.792
19	18.00	16.51	+0.02	40.53	+18.00	88.454	+26.618	—0.728
23	17.91	16.43	0.02	40.33	17.92	88.589	26.624	0.665
27	17.81	16.34	0.03	40.11	17.83	88.724	26.629	0.601
31	17.71	16.25	0.03	39.88	17.74	88.859	26.635	0.538
Aug. 4	17.61	16.15	0.03	39.65	17.64	88.994	26.640	0.474
8	17.50	16.05	+0.03	39.41	+17.54	89.129	+26.645	—0.411
12	17.39	15.95	0.04	39.17	17.43	89.264	26.650	0.347
16	17.28	15.85	0.04	38.92	17.33	89.399	26.655	0.284
20	17.17	15.75	0.04	38.67	17.22	89.534	26.660	0.220
24	17.06	15.65	0.04	38.41	17.12	89.669	26.665	0.157
28	16.94	15.54	+0.04	38.15	+17.01	89.804	+26.669	—0.093
Sept. 1	16.82	15.44	0.04	37.89	16.91	89.939	26.674	—0.030
5	16.71	15.34	0.04	37.64	16.81	90.074	26.678	+0.034
9	16.60	15.24	0.04	37.39	16.71	90.209	26.682	0.098
13	16.49	15.14	0.04	37.15	16.61	90.344	26.686	0.162
17	16.38	15.04	+0.04	36.91	+16.51	90.479	+26.690	+0.225
21	16.28	14.95	0.04	36.68	16.42	90.614	26.694	0.289
25	16.18	14.85	0.04	36.45	16.33	90.749	26.698	0.353
29	16.09	14.76	0.03	36.23	16.25	90.884	26.701	0.417
Okt. 3	15.99	14.67	0.03	36.02	16.17	91.019	26.704	0.480
7	15.90	14.59	+0.03	35.82	+16.09	91.154	+26.707	+0.544
11	15.81	14.51	0.03	35.63	16.02	91.289	26.711	0.608
15	15.73	14.44	0.02	35.44	15.95	91.424	26.714	0.671
19	15.65	14.37	0.02	35.26	15.88	91.559	26.717	0.734
23	15.58	14.31	0.02	35.10	15.82	91.694	26.720	0.798
27	15.51	14.25	+0.02	34.95	+15.76	91.829	+26.723	+0.861
31	15.45	14.19	0.01	34.81	15.70	91.964	26.725	0.925
Nov. 4	15.39	14.14	0.01	34.68	15.65	92.099	26.727	0.988
8	15.34	14.09	0.01	34.56	15.61	92.234	26.729	1.052
12	15.29	14.04	0.01	34.45	15.57	92.369	26.731	1.115
16	15.25	14.00	0.01	34.36	+15.53	92.505	+26.733	+1.179
20	15.21	13.97	+0.01	34.28	15.49	92.640	26.735	1.242
24	15.18	13.94	0.00	34.21	15.46	92.775	26.737	1.306
28	15.16	13.92	0.00	34.15	15.43	92.910	26.739	1.369
Dez. 2	15.14	13.90	0.00	34.11	15.40	93.045	26.740	1.433
6	15.13	13.89	0.00	34.08	+15.39	93.180	+26.742	+1.496
10	15.12	13.89	0.00	34.06	15.39	93.315	26.743	1.560
14	15.12	13.89	0.00	34.05	15.39	93.450	26.744	1.623
18	15.12	13.88	0.00	34.06	15.38	93.585	26.745	1.687
22	15.13	13.89	0.00	34.08	15.39	93.720	26.746	1.750
26	15.15	13.90	0.00	34.12	+15.39	93.855	+26.747	+1.814
30	15.17	13.92	0.00	34.16	15.41	93.990	26.748	1.877
34	15.19	13.95	0.00	34.22	+15.42	94.125	+26.749	+1.941

Saturn und Saturnsring 1928

0h Welt-Zeit	U	Diff.	B	Diff.	P	Diff.
1928	°		°		°	
Jan. 1	126.513	246	+26.443	10	+4.329	26
3	126.759	243	26.453	9	4.355	25
5	127.002	240	26.462	8	4.380	25
7	127.242	238	26.470	7	4.405	25
9	127.480	234	26.477	7	4.430	24
11	127.714	231	+26.484	6	+4.454	24
13	127.945	227	26.490	5	4.478	23
15	128.172	224	26.495	5	4.501	23
17	128.396	220	26.500	4	4.524	23
19	128.616	216	26.504	3	4.547	22
21	128.832	212	+26.507	3	+4.569	21
23	129.044	207	26.510	3	4.590	21
25	129.251	203	26.513	2	4.611	21
27	129.454	198	26.515	2	4.632	20
29	129.652	194	26.517	2	4.652	19
31	129.846	188	+26.519	1	+4.671	19
Febr. 2	130.034	183	26.520	0	4.690	18
4	130.217	179	26.520	0	4.708	18
6	130.396	174	26.520	0	4.726	17
8	130.570	167	26.520	1	4.743	17
10	130.737	162	+26.519	1	+4.760	16
12	130.899	155	26.518	2	4.776	15
14	131.054	150	26.516	2	4.791	15
16	131.204	143	26.514	2	4.806	14
18	131.347	137	26.512	2	4.820	13
20	131.484	132	+26.510	2	+4.833	13
22	131.616	125	26.508	2	4.846	12
24	131.741	118	26.506	3	4.858	12
26	131.859	111	26.503	3	4.870	11
28	131.970	105	26.500	3	4.881	10
März 1	132.075	97	+26.497	3	+4.891	9
3	132.172	92	26.494	3	4.900	9
5	132.264	84	26.491	3	4.909	8
7	132.348	76	26.488	4	4.917	7
9	132.424	70	26.484	4	4.924	6
11	132.494	62	+26.480	4	+4.930	6
13	132.556	54	26.476	3	4.936	5
15	132.610	49	26.473	4	4.941	4
17	132.659	40	26.469	4	4.945	4
19	132.699	33	26.465	4	4.949	3
21	132.732	25	+26.461	3	+4.952	2
23	132.757	17	26.458	4	4.954	2
25	132.774	9	26.454	3	4.956	1
27	132.783	3	26.451	4	4.957	0
29	132.786	4	26.447	3	4.957	0
31	132.782	13	+26.444	3	+4.957	1
April 2	132.769		26.441		4.956	

0h Welt-Zeit	U	Diff.	B	Diff.	P	Diff.
1928	°		°		°	
April 2	132.769	19	+26.441	3	+4.956	2
4	132.750	27	26.438	3	4.954	3
6	132.723	35	26.435	3	4.951	4
8	132.688	40	26.432	3	4.947	4
10	132.648	47	26.429	3	4.943	5
12	132.601	56	+26.426	2	+4.938	6
14	132.545	62	26.424	2	4.932	6
16	132.483	69	26.422	2	4.926	7
18	132.414	76	26.420	2	4.919	7
20	132.338	82	26.418	2	4.912	7
22	132.256	88	+26.416	2	+4.905	8
24	132.168	94	26.414	2	4.897	9
26	132.074	100	26.412	2	4.888	10
28	131.974	106	26.410	2	4.878	11
30	131.868	112	26.408	2	4.867	11
Mai 2	131.756	117	+26.406	1	+4.856	12
4	131.639	123	26.405	2	4.844	12
6	131.516	127	26.403	1	4.832	13
8	131.389	132	26.402	2	4.819	13
10	131.257	136	26.400	1	4.806	13
12	131.121	140	+26.399	2	+4.793	14
14	130.981	145	26.397	1	4.779	14
16	130.836	148	26.396	2	4.765	15
18	130.688	150	26.394	2	4.750	15
20	130.538	154	26.392	2	4.735	15
22	130.384	156	+26.390	1	+4.720	16
24	130.228	159	26.389	2	4.704	16
26	130.069	161	26.387	1	4.688	16
28	129.908	163	26.386	2	4.672	16
30	129.745	163	26.384	1	4.656	17
Juni 1	129.582	165	+26.383	1	+4.639	16
3	129.417	165	26.382	1	4.623	17
5	129.252	166	26.381	1	4.606	16
7	129.086	166	26.380	1	4.590	17
9	128.920	166	26.379	1	4.573	17
11	128.754	164	+26.378	1	+4.556	17
13	128.590	164	26.377	1	4.539	17
15	128.426	162	26.376	2	4.522	17
17	128.264	160	26.374	1	4.505	16
19	128.104	159	26.373	1	4.489	16
21	127.945	156	+26.372	1	+4.473	16
23	127.789	153	26.371	1	4.457	16
25	127.636	151	26.370	1	4.441	16
27	127.485	147	26.369	0	4.425	15
29	127.338	144	26.369	1	4.410	15
Juli 1	127.194	140	+26.368	1	+4.395	14
3	127.054		26.367		4.381	

Saturn und Saturnsring 1928

0h Welt-Zeit 1928	U (°)		B (°)		P (°)	
Juli 3	127.054	136	+26.367	0	+4.381	14
5	126.918	131	26.367	1	4.367	13
7	126.787	127	26.368	0	4.354	13
9	126.660	123	+26.368	1	+4.341	13
11	126.537	117	26.369	1	4.328	12
13	126.420	112	26.370	2	4.316	12
15	126.308	107	26.372	1	4.304	11
17	126.201	101	26.373	2	4.293	11
19	126.100	95	+26.375	2	+4.282	10
21	126.005	89	26.377	2	4.272	9
23	125.916	83	26.379	2	4.263	9
25	125.833	77	26.381	3	4.254	8
27	125.756	70	26.384	3	4.246	7
29	125.686	63	+26.387	4	+4.239	7
31	125.623	57	26.391	4	4.232	6
Aug. 2	125.566	49	26.395	4	4.226	5
4	125.517	43	26.399	5	4.221	4
6	125.474	36	26.404	6	4.217	4
8	125.438	29	+26.410	5	+4.213	3
10	125.409	23	26.415	6	4.210	2
12	125.386	15	26.421	7	4.208	1
14	125.371	8	26.428	6	4.207	1
16	125.363	1	26.434	7	4.206	0
18	125.362	7	+26.441	7	+4.206	1
20	125.369	14	26.448	8	4.207	2
22	125.383	21	26.456	8	4.209	2
24	125.404	29	26.464	8	4.211	3
26	125.433	36	26.472	9	4.214	4
28	125.469	43	+26.481	9	+4.218	5
30	125.512	50	26.490	10	4.223	5
Sept. 1	125.562	57	26.500	9	4.228	6
3	125.619	65	26.509	10	4.234	7
5	125.684	71	26.519	10	4.241	8
7	125.755	78	+26.529	11	+4.249	9
9	125.833	85	26.540	11	4.258	9
11	125.918	91	26.551	11	4.267	10
13	126.009	98	26.562	11	4.277	11
15	126.107	106	26.573	12	4.288	11
17	126.213	112	+26.585	11	+4.299	12
19	126.325	119	26.596	11	4.311	13
21	126.444	125	26.607	12	4.324	13
23	126.569	131	26.619	12	4.337	14
25	126.700	137	26.631	11	4.351	15
27	126.837	144	+26.642	12	+4.366	15
29	126.981	149	26.654	11	4.381	16
Okt. 1	127.130	155	26.665	11	4.397	16
3	127.285		+26.676		+4.413	

0h Welt-Zeit 1928	U (°)		B (°)		P (°)	
Okt. 3	127.285	161	+26.676	11	+4.413	17
5	127.446	166	26.687	11	4.430	18
7	127.612	172	+26.698	11	+4.448	18
9	127.784	177	26.709	10	4.466	18
11	127.961	182	26.719	11	4.484	19
13	128.143	187	26.730	11	4.503	19
15	128.330	192	26.741	11	4.522	20
17	128.522	197	+26.752	10	+4.542	20
19	128.719	202	26.762	10	4.562	21
21	128.921	206	26.772	10	4.583	22
23	129.127	210	26.782	9	4.605	22
25	129.337	215	26.791	9	4.627	22
27	129.552	218	+26.800	8	+4.649	22
29	129.770	222	26.808	8	4.671	22
31	129.992	226	26.816	8	4.693	23
Nov. 2	130.218	229	26.824	8	4.716	23
4	130.447	232	26.832	7	4.739	23
6	130.679	236	+26.839	7	+4.762	24
8	130.915	239	26.846	6	4.786	24
10	131.154	242	26.852	5	4.810	24
12	131.396	245	26.857	4	4.834	24
14	131.641	248	26.861	3	4.858	24
16	131.889	250	+26.864	4	+4.882	24
18	132.139	252	26.868	4	4.906	25
20	132.391	254	26.872	3	4.931	25
22	132.645	256	26.875	1	4.956	25
24	132.901	258	26.876	0	4.981	24
26	133.159	259	+26.876	1	+5.005	25
28	133.418	260	26.877	0	5.030	25
30	133.678	261	26.877	0	5.055	25
Dez. 2	133.939	262	26.877	1	5.080	25
4	134.201	263	26.876	2	5.105	25
6	134.464	264	+26.874	3	+5.130	25
8	134.728	264	26.871	3	5.155	24
10	134.992	265	26.868	4	5.179	25
12	135.257	265	26.864	4	5.204	24
14	135.522	265	26.860	5	5.228	25
16	135.787	265	+26.855	6	+5.253	24
18	136.052	264	26.849	7	5.277	24
20	136.316	264	26.842	7	5.301	24
22	136.580	264	26.835	7	5.325	24
24	136.844	262	26.828	7	5.349	23
26	137.106	260	+26.821	8	+5.372	23
28	137.366	260	26.813	9	5.395	23
30	137.626	258	26.804	11	5.418	23
32	137.884		+26.793		+5.441	

MIMAS

0h Welt-Zeit 1928	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$
Febr. 2	96°.428	328°.20	1.38488	+10″.83
4	140.403	10.17	1.38602	10.86
6	184.377	52.15	1.38719	10.89
8	228.352	94.12	1.38839	10.92
10	272.327	136.10	1.38961	10.95
12	316.301	178.07	1.39086	+10.98
14	0.276	220.05	1.39213	11.01
16	44.251	262.02	1.39343	11.04
18	88.226	304.00	1.39474	11.08
20	132.201	345.97	1.39608	11.11
22	176.175	27.95	1.39743	+11.15
24	220.150	69.92	1.39880	11.18
26	264.124	111.90	1.40019	11.22
28	308.099	153.87	1.40159	11.25
März 1	352.073	195.85	1.40300	11.28
3	36.048	237.82	1.40442	+11.32
5	80.023	279.80	1.40586	11.36
7	123.998	321.77	1.40730	11.39
9	167.972	3.75	1.40875	11.43
11	211.947	45.72	1.41020	11.46
13	255.921	87.69	1.41166	+11.50
15	299.896	129.67	1.41313	11.53
17	343.870	171.64	1.41459	11.57
19	27.845	213.61	1.41605	11.61
21	71.820	255.59	1.41751	11.65
23	115.795	297.56	1.41896	+11.68
25	159.769	339.54	1.42040	11.72
27	203.744	21.51	1.42184	11.75
29	247.719	63.49	1.42327	11.79
31	291.693	105.46	1.42468	11.83
April 2	335.668	147.44	1.42608	+11.87
4	19.642	189.41	1.42747	11.91
6	63.617	231.39	1.42883	11.95
8	107.592	273.36	1.43018	11.99
10	151.566	315.34	1.43151	12.03
12	195.541	357.31	1.43281	+12.06
14	239.515	39.29	1.43409	12.10
16	283.490	81.26	1.43534	12.13
18	327.464	123.24	1.43656	12.16
20	11.439	165.21	1.43775	+12.19

MIMAS

0h Welt-Zeit 1928	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$
April 20	11°.439	165°.21	1.43775	+12″.19
22	55.413	207.19	1.43891	12.22
24	99.388	249.16	1.44003	12.25
26	143.362	291.14	1.44112	12.28
28	187.337	333.11	1.44217	12.31
30	231.311	15.09	1.44317	+12.34
Mai 2	275.286	57.06	1.44414	12.37
4	319.260	99.03	1.44507	12.40
6	3.235	141.00	1.44595	12.42
8	47.209	182.98	1.44678	12.44
10	91.183	224.95	1.44757	+12.46
12	135.158	266.93	1.44831	12.48
14	179.132	308.90	1.44900	12.50
16	223.106	350.88	1.44964	12.52
18	267.080	32.85	1.45023	12.54
20	311.055	74.83	1.45077	+12.56
22	355.029	116.80	1.45125	12.57
24	39.004	158.78	1.45167	12.58
26	82.978	200.75	1.45204	12.59
28	126.953	242.72	1.45236	12.59
30	170.927	284.70	1.45261	+12.60
Juni 1	214.901	326.67	1.45281	12.60
3	258.875	8.64	1.45296	12.61
5	302.850	50.62	1.45304	12.61
7	346.824	92.60	1.45307	12.62
9	30.798	134.57	1.45304	+12.61
11	74.772	176.54	1.45296	12.61
13	118.746	218.52	1.45282	12.60
15	162.721	260.49	1.45262	12.59
17	206.695	302.46	1.45236	12.58
19	250.670	344.43	1.45205	+12.57
21	294.644	26.41	1.45167	12.56
23	338.618	68.39	1.45125	12.55
25	22.592	110.36	1.45077	12.54
27	66.566	152.33	1.45024	12.52
29	110.540	194.31	1.44965	+12.50
Juli 1	154.514	236.28	1.44902	12.48
3	198.489	278.26	1.44833	12.46
5	242.463	320.23	1.44760	12.44
7	286.437	2.21	1.44681	+12.42

Saturnstrabanten 1928

MIMAS

0h Welt-Zeit	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$
1928	°	°		″
Juli 7	286.437	2.21	1.44681	+12.42
9	330.411	44.18	1.44598	12.40
11	14.385	86.16	1.44511	12.38
13	58.359	128.13	1.44420	12.36
15	102.333	170.11	1.44324	12.33
17	146.307	212.08	1.44224	+12.30
19	190.282	254.05	1.44120	12.27
21	234.256	296.02	1.44012	12.24
23	278.230	338.00	1.43901	12.21
25	322.204	19.97	1.43786	12.18
27	6.178	61.95	1.43668	+12.15
29	50.152	103.92	1.43547	12.12
31	94.126	145.90	1.43424	12.09
Aug. 2	138.100	187.87	1.43297	12.06
4	182.074	229.84	1.43168	12.03
6	226.048	271.81	1.43037	+12.00
8	270.022	313.79	1.42904	11.96
10	313.996	355.76	1.42769	11.92
12	357.970	37.74	1.42632	11.88
14	41.944	79.71	1.42493	11.84
16	85.918	121.69	1.42353	+11.81
18	129.892	163.66	1.42212	11.77
20	173.866	205.63	1.42070	11.73
22	217.840	247.60	1.41926	11.70
24	261.814	289.58	1.41782	11.66
26	305.788	331.55	1.41638	+11.63
28	349.762	13.53	1.41493	11.59
30	33.736	55.50	1.41348	11.55
Sept. 1	77.710	97.48	1.41203	11.52
3	121.683	139.45	1.41058	11.48
5	165.657	181.42	1.40913	+11.45
7	209.631	223.39	1.40769	11.42
9	253.605	265.37	1.40625	11.39
11	297.579	307.34	1.40482	11.35
13	341.553	349.32	1.40340	11.32
15	25.527	31.29	1.40199	+11.29
17	69.500	73.27	1.40059	11.26
19	113.476	115.24	1.39920	11.23
21	157.450	157.21	1.39783	11.20
23	201.423	199.18	1.39647	+11.17

ENCELADUS

0h Welt-Zeit	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$
1928	°	°		″
Febr. 2	337.940	42.2	1.49309	+13.90
4	143.402	207.0	1.49423	13.93
6	308.864	11.8	1.49540	13.97
8	114.326	176.6	1.49660	14.01
10	279.788	341.3	1.49782	14.05
12	85.250	146.1	1.49907	+14.09
14	250.712	310.9	1.50034	14.13
16	56.174	115.7	1.50164	14.17
18	221.636	280.5	1.50295	14.21
20	27.098	85.3	1.50429	14.25
22	192.560	250.1	1.50564	+14.29
24	358.022	54.9	1.50701	14.33
26	163.483	219.6	1.50840	14.37
28	328.945	24.4	1.50980	14.42
März 1	134.407	189.2	1.51121	14.47
3	299.869	354.0	1.51263	+14.52
5	105.331	158.8	1.51407	14.57
7	270.793	323.6	1.51551	14.62
9	76.254	128.4	1.51696	14.66
11	241.716	293.2	1.51841	14.71
13	47.178	97.9	1.51987	+14.75
15	212.640	262.7	1.52134	14.80
17	18.101	67.5	1.52280	14.85
19	183.563	232.3	1.52426	14.90
21	349.025	37.1	1.52572	14.95
23	154.487	201.9	1.52717	+15.00
25	319.948	6.7	1.52861	15.05
27	125.410	171.5	1.53005	15.10
29	290.872	336.2	1.53148	15.15
31	96.334	141.0	1.53289	15.20
April 2	261.795	305.8	1.53429	+15.25
4	67.257	110.6	1.53568	15.29
6	232.719	275.4	1.53704	15.33
8	38.180	80.2	1.53839	15.38
10	203.642	245.0	1.53972	15.42
12	9.104	49.8	1.54102	+15.47
14	174.565	214.5	1.54230	15.52
16	340.027	19.3	1.54355	15.56
18	145.489	184.1	1.54477	15.60
20	310.950	348.9	1.54596	+15.64

0h Welt-Zeit	L	M	log a(Δ)/Δ	a(Δ)/Δ sin B	0h Welt-Zeit	L	M	log a(Δ)/Δ	a(Δ)/Δ sin B
		ENCELADUS					ENCELADUS		
1928	°	°		"	1928	°	°		"
April 20	310.950	348.9	1.54596	+15.64	Juli 7	283.946	295.5	1.55502	+15.94
22	116.412	153.7	1.54712	15.68	9	89.408	100.3	1.55419	15.91
24	281.873	318.5	1.54824	15.71	11	254.869	265.1	1.55332	15.88
26	87.335	123.3	1.54933	15.75	13	60.331	69.9	1.55241	15.85
28	252.796	288.1	1.55038	15.78	15	225.792	234.7	1.55145	15.82
30	58.258	92.8	1.55138	+15.82	17	31.253	39.5	1.55045	+15.78
Mai 2	223.719	257.6	1.55235	15.85	19	196.714	204.2	1.54941	15.74
4	29.181	62.4	1.55328	15.88	21	2.176	9.0	1.54833	15.70
6	194.642	227.2	1.55416	15.92	23	167.637	173.8	1.54722	15.66
8	0.104	32.0	1.55499	15.96	25	333.099	338.6	1.54607	15.62
10	165.565	196.8	1.55578	+15.99	27	138.560	143.4	1.54489	+15.58
12	331.027	1.6	1.55652	16.01	29	304.021	308.2	1.54368	15.54
14	136.488	166.3	1.55721	16.03	31	109.482	113.0	1.54245	15.49
16	301.950	331.1	1.55785	16.05	Aug. 2	274.944	277.8	1.54118	15.45
18	107.411	135.9	1.55844	16.07	4	80.405	82.5	1.53989	15.41
20	272.873	300.6	1.55898	+16.09	6	245.866	247.3	1.53858	+15.37
22	78.334	105.4	1.55946	16.11	8	51.327	52.1	1.53725	15.33
24	243.796	270.2	1.55988	16.13	10	216.789	216.9	1.53590	15.29
26	49.258	75.0	1.56025	16.14	12	22.250	21.7	1.53453	15.24
28	214.719	239.8	1.56057	16.15	14	187.712	186.5	1.53314	15.19
30	20.180	44.6	1.56082	+16.15	16	353.173	351.3	1.53174	+15.14
Juni 1	185.641	209.3	1.56102	16.16	18	158.634	156.1	1.53033	15.10
3	351.103	14.1	1.56117	16.17	20	324.095	320.8	1.52891	15.05
5	156.564	178.9	1.56125	16.17	22	129.557	125.6	1.52747	15.01
7	322.026	343.7	1.56128	16.18	24	295.018	290.4	1.52603	14.96
9	127.487	148.5	1.56125	+16.18	26	100.480	95.2	1.52459	+14.91
11	292.948	313.3	1.56117	16.18	28	265.941	260.0	1.52314	14.87
13	98.410	118.1	1.56103	16.17	30	71.402	64.8	1.52169	14.82
15	263.871	282.9	1.56083	16.16	Sept. 1	236.863	229.6	1.52024	14.78
17	69.333	87.6	1.56057	16.15	3	42.325	34.3	1.51879	14.73
19	234.794	252.4	1.56026	+16.14	5	207.786	199.1	1.51734	+14.68
21	40.256	57.2	1.55988	16.12	7	13.247	3.9	1.51590	14.64
23	205.717	222.0	1.55946	16.11	9	178.708	168.6	1.51446	14.60
25	11.179	26.8	1.55898	16.09	11	344.170	333.4	1.51303	14.56
27	176.640	191.6	1.55845	16.07	13	149.631	138.2	1.51161	14.52
29	342.101	356.4	1.55786	+16.04	15	315.092	303.0	1.51020	+14.48
Juli 1	147.563	161.2	1.55723	16.02	17	120.553	107.8	1.50880	14.44
3	313.024	325.9	1.55654	15.99	19	286.015	272.6	1.50741	14.40
5	118.485	130.7	1.55581	15.96	21	91.476	77.3	1.50604	14.36
7	283.946	295.5	1.55502	+15.94	23	256.937	242.1	1.50468	+14.32

0h Welt-Zeit	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$	0h Welt-Zeit	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$
		TETHYS					TETHYS		
1928	°			"	1928	°			"
Febr. 2	262.411		1.58578	+17.20	April 20	16.867		1.63865	+19.35
4	283.807		1.58692	17.24	22	38.263		1.63981	19.41
6	305.204		1.58809	17.29	24	59.659		1.64093	19.46
8	326.600		1.58929	17.34	26	81.056		1.64202	19.51
10	347.996		1.59051	17.39	28	102.452		1.64307	19.56
12	9.393		1.59176	+17.44	30	123.848		1.64407	+19.61
14	30.789		1.59303	17.49	Mai 2	145.245		1.64504	19.65
16	52.186		1.59433	17.54	4	166.641		1.64597	19.69
18	73.582		1.59564	17.59	6	188.038		1.64685	19.73
20	94.978		1.59698	17.64	8	209.434		1.64768	19.76
22	116.374		1.59833	+17.69	10	230.830		1.64847	+19.79
24	137.771		1.59970	17.74	12	252.226		1.64921	19.82
26	159.167		1.60109	17.80	14	273.623		1.64990	19.85
28	180.563		1.60249	17.86	16	295.019		1.65054	19.88
März 1	201.960		1.60390	17.92	18	316.415		1.65113	19.91
3	223.356		1.60532	+17.98	20	337.812		1.65167	+19.93
5	244.752		1.60676	18.04	22	359.208		1.65215	19.95
7	266.148		1.60820	18.09	24	20.604		1.65257	19.97
9	287.545		1.60965	18.15	26	42.000		1.65294	19.98
11	308.941		1.61110	18.21	28	63.397		1.65326	19.99
13	330.337		1.61256	+18.27	30	84.793		1.65351	+20.00
15	351.734		1.61403	18.33	Juni 1	106.189		1.65371	20.01
17	13.130		1.61549	18.39	3	127.586		1.65386	20.02
19	34.527		1.61695	18.45	5	148.982		1.65394	20.02
21	55.923		1.61841	18.51	7	170.379		1.65397	20.03
23	77.319		1.61986	+18.57	9	191.775		1.65394	+20.02
25	98.715		1.62130	18.63	11	213.171		1.65386	20.01
27	120.112		1.62274	18.69	13	234.567		1.65372	19.99
29	141.508		1.62417	18.75	15	255.964		1.65352	19.98
31	162.904		1.62558	18.81	17	277.360		1.65326	19.97
April 2	184.300		1.62698	+18.87	19	298.756		1.65295	+19.96
4	205.696		1.62837	18.93	21	320.153		1.65257	19.95
6	227.093		1.62973	18.98	23	341.549		1.65215	19.94
8	248.489		1.63108	19.04	25	2.945		1.65167	19.92
10	269.885		1.63241	19.09	27	24.341		1.65114	19.90
12	291.282		1.63371	+19.14	29	45.738		1.65055	+19.87
14	312.678		1.63499	19.19	Juli 1	67.134		1.64992	19.84
16	334.074		1.63624	19.24	3	88.530		1.64923	19.81
18	355.471		1.63746	19.29	5	109.927		1.64850	19.78
20	16.867		1.63865	+19.35	7	131.323		1.64771	+19.75

TETHYS

0h Welt-Zeit	L	M	log $\frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta}$ sin B
1928	°			"
Juli 7	131.323		1.64771	+19.75
9	152.720		1.64688	19.71
11	174.116		1.64601	19.66
13	195.512		1.64510	19.62
15	216.908		1.64414	19.58
17	238.305		1.64314	+19.53
19	259.701		1.64210	19.49
21	281.097		1.64102	19.44
23	302.494		1.63991	19.39
25	323.890		1.63876	19.34
27	345.286		1.63758	+19.29
29	6.682		1.63637	19.24
31	28.079		1.63514	19.19
Aug. 2	49.475		1.63387	19.14
4	70.871		1.63258	19.09
6	92.268		1.63127	+19.03
8	113.664		1.62994	18.97
10	135.061		1.62859	18.92
12	156.457		1.62722	18.86
14	177.853		1.62583	18.81
16	199.250		1.62443	+18.75
18	220.646		1.62302	18.70
20	242.042		1.62160	18.64
22	263.439		1.62016	18.58
24	284.835		1.61872	18.53
26	306.232		1.61728	+18.47
28	327.628		1.61583	18.41
30	349.024		1.61438	18.36
Sept. 1	10.420		1.61293	18.30
3	31.817		1.61148	18.25
5	53.213		1.61003	+18.19
7	74.609		1.60859	18.14
9	96.006		1.60715	18.08
11	117.402		1.60572	18.03
13	138.798		1.60430	17.98
15	160.194		1.60289	+17.93
17	181.591		1.60149	17.88
19	202.987		1.60010	17.83
21	224.383		1.59873	17.78
23	245.780		1.59737	+17.73

DIONE

0h Welt-Zeit	L	M	log $\frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta}$ sin B
1928	°	°		"
Febr. 2	136.503	334.0	1.69326	+22.03
4	39.573	236.9	1.69440	22.09
6	302.643	139.8	1.69557	22.15
8	205.713	42.7	1.69677	22.21
10	108.782	305.6	1.69799	22.27
12	11.852	208.5	1.69924	+22.34
14	274.922	111.4	1.70051	22.40
16	177.992	14.3	1.70181	22.47
18	81.062	277.2	1.70312	22.53
20	344.132	180.1	1.70446	22.60
22	247.202	83.0	1.70581	+22.67
24	150.272	345.9	1.70718	22.75
26	53.342	248.8	1.70857	22.82
28	316.411	151.7	1.70997	22.89
März 1	219.481	54.6	1.71138	22.96
3	122.551	317.5	1.71280	+23.03
5	25.621	220.4	1.71424	23.10
7	288.691	123.3	1.71568	23.18
9	191.761	26.2	1.71713	23.25
11	94.831	289.1	1.71858	23.33
13	357.901	192.0	1.72004	+23.40
15	260.970	94.9	1.72151	23.48
17	164.040	357.8	1.72297	23.55
19	67.110	260.7	1.72443	23.63
21	330.180	163.6	1.72589	23.70
23	233.250	66.5	1.72734	+23.78
25	136.320	329.4	1.72878	23.85
27	39.390	232.3	1.73022	23.93
29	302.459	135.2	1.73165	24.00
31	205.529	38.1	1.73306	24.08
April 2	108.599	301.0	1.73446	+24.16
4	11.669	203.9	1.73585	24.23
6	274.739	106.8	1.73721	24.31
8	177.809	9.7	1.73856	24.38
10	80.879	272.6	1.73989	24.46
12	343.949	175.5	1.74119	+24.53
14	247.018	78.4	1.74247	24.60
16	150.088	341.3	1.74372	24.67
18	53.158	244.2	1.74494	24.74
20	316.228	147.1	1.74613	+24.80

DIONE

0h Welt-Zeit	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$
1928	°	°		°
April 20	316.228	147.1	1.74613	+24.80
22	219.298	50.0	1.74729	24.86
24	122.368	312.9	1.74841	24.92
26	25.438	215.8	1.74950	24.98
28	288.508	118.7	1.75055	25.03
30	191.578	21.6	1.75155	+25.09
Mai 2	94.647	284.5	1.75252	25.14
4	357.717	187.4	1.75345	25.20
6	260.787	90.3	1.75433	25.25
8	163.857	353.2	1.75516	25.30
10	66.927	256.1	1.75595	+25.34
12	329.997	159.0	1.75669	25.38
14	233.067	61.9	1.75738	25.42
16	136.137	324.8	1.75802	25.46
18	39.207	227.7	1.75861	25.49
20	302.277	130.6	1.75915	+25.52
22	205.347	33.5	1.75963	25.55
24	108.417	296.4	1.76005	25.58
26	11.487	199.3	1.76042	25.60
28	274.557	102.2	1.76074	25.62
30	177.627	5.1	1.76099	+25.63
Juni 1	80.696	268.0	1.76119	25.64
3	343.766	170.9	1.76134	25.65
5	246.836	73.8	1.76142	25.65
7	149.906	336.7	1.76145	25.66
9	52.976	239.6	1.76142	+25.65
11	316.046	142.5	1.76134	25.64
13	219.116	45.4	1.76120	25.63
15	122.186	308.3	1.76100	25.62
17	25.256	211.2	1.76074	25.60
19	288.326	114.1	1.76043	+25.58
21	191.396	17.0	1.76005	25.56
23	94.466	279.9	1.75963	25.54
25	357.536	182.8	1.75915	25.51
27	260.606	85.7	1.75862	25.48
29	163.676	348.6	1.75803	+25.44
Juli 1	66.746	251.5	1.75740	25.40
3	329.815	154.4	1.75671	25.36
5	232.885	57.3	1.75598	25.31
7	135.955	320.2	1.75519	+25.27

DIONE

0h Welt-Zeit	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$
1928	°	°		°
Juli 7	135.955	320.2	1.75519	+25.27
9	39.025	223.1	1.75436	25.23
11	302.095	126.0	1.75349	25.18
13	205.165	28.9	1.75258	25.13
15	108.235	291.8	1.75162	25.07
17	11.305	194.7	1.75062	+25.01
19	274.374	97.6	1.74958	24.95
21	177.444	0.5	1.74850	24.89
23	80.514	263.4	1.74739	24.83
25	343.584	166.3	1.74624	24.77
27	246.654	69.2	1.74506	+24.71
29	149.724	332.1	1.74385	24.65
31	52.794	235.0	1.74262	24.58
Aug. 2	315.864	137.9	1.74135	24.51
4	218.934	40.8	1.74006	24.44
6	122.004	303.7	1.73875	+24.37
8	25.074	206.6	1.73742	24.30
10	288.144	109.5	1.73607	24.23
12	191.214	12.4	1.73470	24.16
14	94.284	275.3	1.73331	24.09
16	357.354	178.2	1.73191	+24.02
18	260.424	81.1	1.73050	23.95
20	163.493	344.0	1.72908	23.88
22	66.563	246.9	1.72764	23.81
24	329.633	149.8	1.72620	23.73
26	232.703	52.7	1.72476	+23.66
28	135.773	315.6	1.72331	23.58
30	38.843	218.5	1.72186	23.51
Sept. 1	301.913	121.4	1.72041	23.44
3	204.983	24.3	1.71896	23.37
5	108.053	287.2	1.71751	+23.30
7	11.123	190.1	1.71607	23.23
9	274.193	93.0	1.71463	23.16
11	177.263	355.9	1.71320	23.09
13	80.333	258.8	1.71178	23.03
15	343.403	161.7	1.71037	+22.96
17	246.473	64.6	1.70897	22.90
19	149.543	327.5	1.70758	22.83
21	52.612	230.4	1.70621	22.77
23	315.682	133.3	1.70485	+22.71

0^h Welt-Zeit	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$
		RHEA		
1928	°	°		″
Febr. 2	275.712	88.3	1.83830	+30.77
4	75.092	247.7	1.83944	30.85
6	234.472	47.1	1.84061	30.93
8	33.852	206.4	1.84181	31.02
10	193.232	5.8	1.84303	31.12
12	352.612	165.2	1.84428	+31.22
14	151.992	324.6	1.84555	31.31
16	311.372	123.9	1.84685	31.39
18	110.752	283.3	1.84816	31.47
20	270.132	82.7	1.84950	31.56
22	69.512	242.0	1.85085	+31.66
24	228.892	41.4	1.85222	31.76
26	28.271	200.8	1.85361	31.86
28	187.651	0.2	1.85501	31.96
März 1	347.031	159.6	1.85642	32.06
3	146.411	319.0	1.85784	+32.16
5	305.791	118.4	1.85928	32.26
7	105.171	277.8	1.86072	32.36
9	264.551	77.1	1.86217	32.47
11	63.931	236.5	1.86362	32.57
13	223.311	35.9	1.86508	+32.68
15	22.691	195.3	1.86655	32.78
17	182.071	354.6	1.86801	32.89
19	341.451	154.0	1.86947	32.99
21	140.831	313.4	1.87093	33.10
23	300.211	112.8	1.87238	+33.20
25	99.591	272.2	1.87382	33.31
27	258.971	71.6	1.87526	33.42
29	58.350	230.9	1.87669	33.52
31	217.730	30.3	1.87810	33.63
April 2	17.110	189.7	1.87950	+33.73
4	176.490	349.1	1.88089	33.84
6	335.870	148.5	1.88225	33.95
8	135.250	307.9	1.88360	34.05
10	294.630	107.2	1.88493	34.15
12	94.010	266.6	1.88623	+34.25
14	253.390	66.0	1.88751	34.34
16	52.770	225.4	1.88876	34.44
18	212.150	24.7	1.88998	34.53
20	11.530	184.1	1.89117	+34.63

0^h Welt-Zeit	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$
		RHEA		
1928	°	°		″
April 20	11.530	184.1	1.89117	+34.63
22	170.910	343.5	1.89233	34.72
24	330.290	142.9	1.89345	34.80
26	129.670	302.3	1.89454	34.88
28	289.050	101.7	1.89559	34.96
30	88.429	261.0	1.89659	+35.04
Mai 2	247.809	60.4	1.89756	35.11
4	47.189	219.8	1.89849	35.19
6	206.569	19.2	1.89937	35.27
8	5.949	178.6	1.90020	35.34
10	165.329	338.0	1.90099	+35.41
12	324.709	137.3	1.90173	35.48
14	124.089	296.7	1.90242	35.54
16	283.469	96.1	1.90306	35.59
18	82.849	255.5	1.90365	35.63
20	242.229	54.8	1.90419	+35.67
22	41.609	214.2	1.90467	35.70
24	200.989	13.6	1.90509	35.72
26	0.369	173.0	1.90546	35.74
28	159.749	332.4	1.90578	35.76
30	319.129	131.8	1.90603	+35.78
Juni 1	118.509	291.1	1.90623	35.80
3	277.889	90.5	1.90638	35.81
5	77.269	249.9	1.90646	35.82
7	236.649	49.3	1.90649	35.83
9	36.029	208.7	1.90646	+35.82
11	195.409	8.1	1.90638	35.81
13	354.789	167.4	1.90624	35.80
15	154.169	326.8	1.90604	35.78
17	313.548	126.2	1.90578	35.75
19	112.928	285.6	1.90547	+35.72
21	272.308	84.9	1.90509	35.70
23	71.688	244.3	1.90467	35.67
25	231.068	43.7	1.90419	35.63
27	30.448	203.1	1.90366	35.59
29	189.828	2.4	1.90307	+35.54
Juli 1	349.208	161.8	1.90244	35.49
3	148.588	321.2	1.90175	35.43
5	307.968	120.6	1.90102	35.36
7	107.348	279.9	1.90023	+35.30

RHEA

0h Welt-Zeit 1928	L °	M °	log a(Δ)/Δ	a(Δ)/Δ sin B ″
Juli 7	107.348	279.9	1.90023	+35.30
9	266.728	79.3	1.89940	35.23
11	66.108	238.7	1.89853	35.16
13	225.488	38.1	1.89762	35.08
15	24.868	197.5	1.89666	35.00
17	184.248	356.9	1.89566	+34.92
19	343.627	156.2	1.89462	34.84
21	143.007	315.6	1.89354	34.76
23	302.387	115.0	1.89243	34.67
25	101.767	274.4	1.89128	34.59
27	261.147	73.8	1.89010	+34.50
29	60.527	233.2	1.88889	34.41
31	219.907	32.6	1.88766	34.32
Aug. 2	19.287	192.0	1.88639	34.22
4	178.667	351.3	1.88510	34.13
6	338.047	150.7	1.88379	+34.03
8	137.427	310.1	1.88246	33.93
10	296.807	109.5	1.88111	33.83
12	96.187	268.9	1.87974	33.73
14	255.567	68.3	1.87835	+33.63

RHEA

0h Welt-Zeit 1928	L °	M °	log a(Δ)/Δ	a(Δ)/Δ sin B ″
Aug. 14	255.567	68.3	1.87835	+33.63
16	54.947	227.6	1.87695	33.53
18	214.327	27.0	1.87554	33.43
20	13.706	186.4	1.87412	33.33
22	173.086	345.8	1.87268	33.23
24	332.466	145.1	1.87124	+33.13
26	131.846	304.5	1.86980	33.03
28	291.226	103.9	1.86835	32.93
30	90.606	263.3	1.86690	32.83
Sept. 1	249.986	62.7	1.86545	32.73
3	49.366	222.1	1.86400	+32.63
5	208.746	21.4	1.86255	32.54
7	8.126	180.8	1.86111	32.44
9	167.506	340.2	1.85967	32.35
11	326.886	139.6	1.85824	32.25
13	126.266	299.0	1.85682	+32.16
15	285.646	98.4	1.85541	32.07
17	85.026	257.7	1.85401	31.98
19	244.406	57.1	1.85262	31.89
21	43.785	216.5	1.85125	31.80
23	203.165	15.9	1.84989	+31.72

Bewegung der mittleren Länge *L* und der mittleren Anomalie *M*

Zeit	Mimas		Enceladus		Tethys	Dione		Rhea	
	L	*M*	*L*	*M*	*L*	*L*	*M*	*L*	*M*
d 1	381°.987	380°.99	262°.731	262°.4	190°.698	131°.535	131°.5	79°.690	79°.7
h 1	15°.916	15°.87	10°.947	10°.9	7°.946	5°.481	5°.5	3°.320	3°.3
2	31.832	31.75	21.894	21.9	15.892	10.961	11.0	6.641	6.6
3	47.748	47.62	32.842	32.8	23.838	16.442	16.4	9.961	10.0
4	63.664	63.50	43.789	43.7	31.783	21.923	21.9	13.282	13.3
5	79.581	79.37	54.736	54.7	39.729	27.403	27.4	16.602	16.6
6	95.497	95.25	65.683	65.6	47.675	32.884	32.9	19.923	19.9
7	111.413	111.12	76.630	76.5	55.621	38.364	38.4	23.243	23.2
8	127.329	127.00	87.577	87.5	63.566	43.845	43.8	26.564	26.6
9	143.245	142.87	98.525	98.4	71.512	49.326	49.3	29.884	29.9
10	159.161	158.75	109.472	109.3	79.458	54.806	54.8	33.205	33.2
11	175.077	174.62	120.419	120.3	87.403	60.287	60.3	36.525	36.5
12	190.993	190.50	131.366	131.2	95.349	65.767	65.7	39.845	39.8
13	206.910	206.37	142.313	142.1	103.295	71.248	71.2	43.166	43.2
14	222.826	222.24	153.260	153.1	111.241	76.729	76.7	46.486	46.5
15	238.742	238.12	164.207	164.0	119.186	82.209	82.2	49.806	49.8
16	254.658	253.99	175.154	174.9	127.132	87.690	87.7	53.127	53.1
17	270.574	269.86	186.101	185.9	135.078	93.171	93.1	56.447	56.5
18	286.490	285.74	197.048	196.8	143.024	98.651	98.6	59.768	59.8
19	302.406	301.61	207.996	207.7	150.970	104.132	104.1	63.088	63.1
20	318.322	317.49	218.943	218.7	158.916	109.613	109.6	66.409	66.4
21	334.239	333.36	229.890	229.6	166.861	115.093	115.1	69.729	69.7
22	350.155	349.24	240.837	240.5	174.806	120.574	120.5	73.050	73.1
23	366.071	365.11	251.784	251.5	182.752	126.054	126.0	76.370	76.4
m 1	0°.265	0°.26	0°.182	0°.2	0°.132	0°.091	0°.1	0°.055	0°.0
2	0.531	0.53	0.365	0.4	0.265	0.183	0.2	0.111	0.1
3	0.796	0.79	0.547	0.5	0.397	0.274	0.3	0.166	0.1
4	1.061	1.06	0.730	0.7	0.530	0.365	0.4	0.221	0.2
5	1.326	1.32	0.912	0.9	0.662	0.457	0.5	0.277	0.2
6	1.592	1.58	1.095	1.1	0.795	0.548	0.5	0.332	0.3
7	1.857	1.85	1.278	1.3	0.927	0.640	0.6	0.387	0.3
8	2.122	2.11	1.460	1.4	1.060	0.731	0.7	0.442	0.4
9	2.388	2.38	1.642	1.6	1.192	0.822	0.8	0.497	0.4
10	2.653	2.64	1.825	1.8	1.324	0.914	0.9	0.553	0.5
20	5.305	5.29	3.649	3.6	2.649	1.827	1.8	1.107	1.1
30	7.958	7.93	5.474	5.4	3.973	2.740	2.7	1.660	1.6
40	10.611	10.58	7.298	7.3	5.297	3.654	3.7	2.214	2.2
50	13.263	13.22	9.123	9.1	6.622	4.567	4.6	2.767	2.7
s 10	0°.044	0°.04	0°.030	0°.0	0°.022	0°.015	0°.0	0°.009	0°.0
20	0.088	0.09	0.061	0.1	0.044	0.030	0.0	0.018	0.0
30	0.133	0.13	0.091	0.1	0.066	0.046	0.0	0.028	0.0
40	0.177	0.17	0.122	0.1	0.088	0.061	0.1	0.037	0.0
50	0.221	0.22	0.152	0.2	0.110	0.076	0.1	0.046	0.0

M	Mimas ±(v−M)	Mimas log r/a	Enceladus ±(v−M)	Enceladus log r/a	Dione ±(v−M)	Dione log r/a	Rhea ±(v−M)	Rhea log r/a	M
0°	0°.000	9.99167	0°.000	9.99800	0°.000	9.99913	0°.000	9.99961	360°
2	0.078	9.99167	0.018	9.99800	0.008	9.99913	0.004	9.99961	358
4	0.156	9.99169	0.037	9.99800	0.016	9.99913	0.007	9.99961	356
6	0.233	9.99172	0.055	9.99801	0.024	9.99913	0.011	9.99961	354
8	0.310	9.99175	0.074	9.99802	0.032	9.99914	0.014	9.99961	352
10	0.387	9.99180	0.092	9.99803	0.040	9.99914	0.018	9.99961	350
12	0.463	9.99186	0.110	9.99804	0.048	9.99915	0.021	9.99962	348
14	0.539	9.99193	0.128	9.99806	0.056	9.99916	0.025	9.99962	346
16	0.614	9.99201	0.146	9.99808	0.063	9.99916	0.028	9.99962	344
18	0.688	9.99210	0.164	9.99810	0.071	9.99917	0.032	9.99963	342
20	0.762	9.99220	0.181	9.99812	0.079	9.99918	0.035	9.99963	340
22	0.834	9.99230	0.199	9.99814	0.086	9.99919	0.039	9.99964	338
24	0.905	9.99242	0.216	9.99817	0.093	9.99921	0.042	9.99964	336
26	0.975	9.99255	0.232	9.99820	0.101	9.99922	0.045	9.99965	334
28	1.044	9.99269	0.249	9.99823	0.108	9.99923	0.048	9.99966	332
30	1.111	9.99284	0.265	9.99827	0.115	9.99925	0.052	9.99966	330
32	1.177	9.99299	0.281	9.99830	0.122	9.99926	0.055	9.99967	328
34	1.242	9.99316	0.296	9.99834	0.128	9.99928	0.058	9.99968	326
36	1.305	9.99333	0.311	9.99838	0.135	9.99930	0.061	9.99968	324
38	1.366	9.99351	0.326	9.99842	0.141	9.99931	0.064	9.99969	322
40	1.425	9.99370	0.340	9.99847	0.148	9.99933	0.066	9.99970	320
42	1.483	9.99390	0.354	9.99852	0.154	9.99935	0.069	9.99971	318
44	1.538	9.99410	0.368	9.99856	0.159	9.99937	0.072	9.99972	316
46	1.592	9.99431	0.381	9.99861	0.165	9.99940	0.074	9.99973	314
48	1.644	9.99453	0.393	9.99866	0.171	9.99942	0.077	9.99974	312
50	1.693	9.99476	0.405	9.99872	0.176	9.99944	0.079	9.99975	310
52	1.741	9.99499	0.417	9.99877	0.181	9.99947	0.081	9.99976	308
54	1.786	9.99523	0.428	9.99883	0.186	9.99949	0.083	9.99977	306
56	1.829	9.99547	0.438	9.99889	0.190	9.99951	0.085	9.99978	304
58	1.870	9.99572	0.448	9.99895	0.195	9.99954	0.087	9.99979	302
60	1.908	9.99598	0.458	9.99901	0.199	9.99957	0.089	9.99980	300
62	1.944	9.99623	0.467	9.99907	0.203	9.99959	0.091	9.99982	298
64	1.977	9.99650	0.475	9.99913	0.206	9.99962	0.093	9.99983	296
66	2.008	9.99676	0.483	9.99919	0.210	9.99965	0.094	9.99984	294
68	2.036	9.99704	0.490	9.99926	0.213	9.99967	0.096	9.99985	292
70	2.062	9.99731	0.496	9.99932	0.216	9.99970	0.097	9.99987	290
72	2.086	9.99759	0.502	9.99939	0.218	9.99973	0.098	9.99988	288
74	2.106	9.99787	0.508	9.99946	0.220	9.99976	0.099	9.99989	286
76	2.124	9.99815	0.512	9.99952	0.222	9.99979	0.100	9.99991	284
78	2.140	9.99843	0.516	9.99959	0.224	9.99982	0.101	9.99992	282
80	2.153	9.99872	0.520	9.99966	0.226	9.99985	0.102	9.99993	280
82	2.163	9.99900	0.523	9.99973	0.227	9.99988	0.102	9.99995	278
84	2.170	9.99929	0.525	9.99980	0.228	9.99991	0.103	9.99996	276
86	2.175	9.99958	0.526	9.99987	0.229	9.99994	0.103	9.99997	274
88	2.177	9.99987	0.527	9.99994	0.229	9.99997	0.103	9.99999	272
90	2.177	0.00016	0.527	0.00001	0.229	0.00000	0.103	0.00000	270

M	Mimas		Enceladus		Dione		Rhea		M
	±(v−M)	log r/a	±(v−M)	log r/a	±(v−M)	log r/a	±(v−M)	log r/a	
90°	2.°177	0.00016	0.°527	0.00001	0.°229	0.00000	0.°103	0.00000	270°
92	2.174	0.00044	0.527	0.00008	0.229	0.00003	0.103	0.00001	268
94	2.168	0.00073	0.526	0.00015	0.229	0.00006	0.103	0.00003	266
96	2.159	0.00101	0.524	0.00022	0.228	0.00009	0.103	0.00004	264
98	2.148	0.00130	0.522	0.00029	0.227	0.00012	0.102	0.00005	262
100	2.135	0.00158	0.519	0.00035	0.226	0.00015	0.102	0.00007	260
102	2.119	0.00186	0.515	0.00042	0.224	0.00018	0.101	0.00008	258
104	2.100	0.00214	0.511	0.00049	0.222	0.00021	0.100	0.00009	256
106	2.079	0.00241	0.506	0.00056	0.220	0.00024	0.099	0.00011	254
108	2.055	0.00268	0.500	0.00062	0.218	0.00027	0.098	0.00012	252
110	2.029	0.00295	0.494	0.00069	0.215	0.00030	0.097	0.00013	250
112	2.000	0.00321	0.488	0.00075	0.212	0.00033	0.096	0.00015	248
114	1.969	0.00347	0.480	0.00082	0.209	0.00035	0.094	0.00016	246
116	1.936	0.00373	0.473	0.00088	0.206	0.00038	0.093	0.00017	244
118	1.901	0.00398	0.464	0.00094	0.202	0.00041	0.091	0.00018	242
120	1.863	0.00422	0.455	0.00100	0.198	0.00044	0.089	0.00019	240
122	1.823	0.00446	0.446	0.00106	0.194	0.00046	0.087	0.00021	238
124	1.781	0.00469	0.436	0.00112	0.190	0.00049	0.085	0.00022	236
126	1.737	0.00492	0.425	0.00118	0.185	0.00051	0.083	0.00023	234
128	1.691	0.00514	0.414	0.00123	0.180	0.00053	0.081	0.00024	232
130	1.643	0.00536	0.402	0.00129	0.175	0.00056	0.079	0.00025	230
132	1.593	0.00557	0.390	0.00134	0.170	0.00058	0.077	0.00026	228
134	1.541	0.00577	0.378	0.00139	0.164	0.00060	0.074	0.00027	226
136	1.487	0.00597	0.365	0.00144	0.159	0.00062	0.072	0.00028	224
138	1.431	0.00616	0.351	0.00148	0.153	0.00065	0.069	0.00029	222
140	1.374	0.00634	0.337	0.00153	0.147	0.00067	0.066	0.00030	220
142	1.316	0.00651	0.323	0.00157	0.141	0.00068	0.064	0.00031	218
144	1.256	0.00668	0.308	0.00162	0.134	0.00070	0.061	0.00032	216
146	1.194	0.00683	0.293	0.00166	0.128	0.00072	0.058	0.00032	214
148	1.131	0.00698	0.278	0.00169	0.121	0.00074	0.055	0.00033	212
150	1.067	0.00713	0.262	0.00173	0.114	0.00075	0.052	0.00034	210
152	1.001	0.00726	0.246	0.00176	0.107	0.00077	0.048	0.00034	208
154	0.934	0.00738	0.230	0.00179	0.100	0.00078	0.045	0.00035	206
156	0.867	0.00750	0.213	0.00182	0.093	0.00079	0.042	0.00036	204
158	0.798	0.00760	0.196	0.00185	0.086	0.00080	0.039	0.00036	202
160	0.728	0.00770	0.179	0.00187	0.078	0.00081	0.035	0.00037	200
162	0.658	0.00779	0.162	0.00190	0.071	0.00082	0.032	0.00037	198
164	0.587	0.00787	0.144	0.00192	0.063	0.00083	0.028	0.00037	196
166	0.515	0.00794	0.127	0.00193	0.055	0.00084	0.025	0.00038	194
168	0.442	0.00800	0.109	0.00195	0.048	0.00085	0.021	0.00038	192
170	0.369	0.00805	0.091	0.00196	0.040	0.00085	0.018	0.00038	190
172	0.296	0.00810	0.073	0.00197	0.032	0.00086	0.014	0.00039	188
174	0.222	0.00813	0.055	0.00198	0.024	0.00086	0.011	0.00039	186
176	0.148	0.00815	0.037	0.00199	0.016	0.00086	0.007	0.00039	184
178	0.074	0.00817	0.018	0.00199	0.008	0.00087	0.004	0.00039	182
180	0.000	0.00817	0.000	0.00199	0.000	0.00087	0.000	0.00039	180

Saturnstrabanten 1928

0h Welt-Zeit	ϑ Mimas	ϑ Encel.	ϑ Tethys	ϑ Dione	ϑ Rhea	γ Rhea	N Saturnsring	J Saturnsring	ω Saturnsring
1928 Jan. 1	172°.8	44°.5	54°.8	28°.3	349°.7	19'.45	127°.543	6°.805	42°.077
17	156.8	37.8	51.6	27.0	349.3	19.46	127.545	6.805	42.075
Febr. 2	140.8	31.1	48.4	25.6	348.8	19.47	127.547	6.805	42.074
18	124.8	24.4	45.2	24.2	348.3	19.49	127.548	6.804	42.073
März 5	108.8	17.7	42.0	22.9	347.9	19.50	127.550	6.804	42.072
21	92.8	11.0	38.9	21.5	347.4	19.51	127.552	6.804	42.070
April 6	76.8	4.4	35.7	20.2	346.9	19.53	127.554	6.804	42.069
22	60.8	357.7	32.5	18.8	346.5	19.54	127.556	6.804	42.068
Mai 8	44.8	351.0	29.3	17.4	346.0	19.55	127.558	6.803	42.067
24	28.8	344.3	26.1	16.1	345.5	19.56	127.559	6.803	42.065
Juni 9	12.8	337.7	23.0	14.7	345.1	19.58	127.561	6.803	42.064
25	356.8	331.0	19.8	13.4	344.6	19.59	127.563	6.803	42.063
Juli 11	340.8	324.2	16.6	12.0	344.2	19.60	127.565	6.803	42.062
27	324.8	317.5	13.4	10.6	343.7	19.62	127.567	6.802	42.060
Aug. 12	308.8	310.9	10.3	9.3	343.3	19.63	127.568	6.802	42.059
28	292.8	304.2	6.1	7.9	342.8	19.64	127.570	6.802	42.058
Sept. 13	276.8	297.5	3.9	6.6	342.3	19.66	127.572	6.802	42.056
29	260.8	290.8	0.7	5.2	341.9	19.67	127.574	6.802	42.055
Okt. 15	244.8	284.0	357.5	3.8	341.4	19.68	127.576	6.801	42.054
31	228.8	277.4	354.4	2.5	341.0	19.69	127.577	6.801	42.053
Nov. 16	212.8	270.6	351.2	1.1	340.5	19.71	127.579	6.801	42.051
Dez. 2	196.8	263.9	348.0	359.8	340.1	19.72	127.581	6.801	42.050
18	180.8	257.2	344.8	358.4	339.6	19.73	127.583	6.801	42.049
34	164.8	250.5	341.6	357.0	339.1	19.75	127.585	6.801	42.048

$\log \frac{1}{1+\zeta}$, in Einheiten der 5. Dezimale

$u-U$		Mimas	Encel.	Tethys	Dione	Rhea	$u-U$	
0°	360°	−6+	−7+	−9+	−11+	−16+	180°	180°
10	350	−6+	−7+	−9+	−11+	−16+	170	190
20	340	−5+	−7+	−8+	−11+	−15+	160	200
30	330	−5+	−6+	−8+	−10+	−14+	150	210
40	320	−4+	−6+	−7+	− 9+	−12+	140	220
50	310	−3+	−5+	−6+	− 8+	−10+	130	230
60	300	−3+	−4+	−4+	− 6+	− 8+	120	240
70	290	−2+	−3+	−3+	− 4+	− 6+	110	250
80	280	−1+	−1+	−2+	− 2+	− 3+	100	260
90	270	0	0	0	0	0	90	270

0^h Welt-Zeit	TITAN			HYPERION			JAPETUS		
	U	*B*	*P*	*U*	*B*	*P*	*U*	*B*	*P*
1928									
Febr. 2	131°.626	+26°.150	+4°.611	126°.494	+26°.458	+4°.095	208°.669	+14°.738	+13°.598
4	131.809	26.150	4.628	126.678	26.460	4.113	208.838	14.713	13.578
6	131.987	26.151	4.645	126.856	26.462	4.131	209.002	14.689	13.558
8	132.159	26.151	4.661	127.029	26.464	4.148	209.160	14.664	13.538
10	132.326	26.151	4.676	127.197	26.465	4.164	209.313	14.640	13.518
12	132.488	+26.150	+4.691	127.360	+26.465	+4.180	209.461	+14.617	+13.498
14	132.644	26.148	4.705	127.516	26.464	4.195	209.603	14.594	13.479
16	132.794	26.146	4.718	127.666	26.464	4.210	209.740	14.572	13.461
18	132.937	26.144	4.731	127.809	26.463	4.224	209.872	14.551	13.444
20	133.073	26.142	4.743	127.947	26.463	4.238	209.998	14.530	13.427
22	133.203	+26.139	+4.755	128.078	+26.462	+4.251	210.118	+14.510	+13.411
24	133.328	26.137	4.766	128.203	26.460	4.263	210.232	14.490	13.396
26	133.447	26.134	4.777	128.321	26.458	4.274	210.339	14.471	13.382
28	133.558	26.131	4.787	128.432	26.456	4.285	210.441	14.453	13.368
März 1	133.662	26.129	4.796	128.537	26.454	4.295	210.536	14.436	13.355
3	133.759	+26.126	+4.805	128.635	+26.452	+4.304	210.625	+14.420	+13.343
5	133.850	26.123	4.814	128.726	26.449	4.313	210.708	14.405	13.332
7	133.934	26.120	4.822	128.810	26.447	4.321	210.785	14.390	13.321
9	134.011	26.117	4.829	128.886	26.445	4.328	210.855	14.376	13.311
11	134.080	26.114	4.835	128.955	26.442	4.334	210.918	14.364	13.302
13	134.141	+26.110	+4.841	129.018	+26.439	+4.340	210.974	+14.353	+13.295
15	134.196	26.107	4.846	129.073	26.436	4.345	211.023	14.343	13.288
17	134.244	26.103	4.850	129.121	26.433	4.350	211.066	14.333	13.282
19	134.284	26.099	4.853	129.162	26.430	4.354	211.103	14.324	13.277
21	134.316	26.095	4.855	129.195	26.426	4.357	211.134	14.316	13.272
23	134.341	+26.091	+4.857	129.220	+26.422	+4.359	211.157	+14.309	+13.268
25	134.358	26.088	4.858	129.238	26.419	4.361	211.173	14.303	13.266
27	134.368	26.084	4.859	129.249	26.416	4.362	211.183	14.298	13.265
29	134.370	26.080	4.859	129.252	26.413	4.362	211.185	14.294	13.265
31	134.366	26.077	4.858	129.246	26.410	4.361	211.180	14.291	13.265
April 2	134.355	+26.074	+4.857	129.234	+26.407	+4.360	211.169	+14.289	+13.266
4	134.336	26.071	4.856	129.215	26.404	4.358	211.151	14.289	13.268
6	134.310	26.068	4.854	129.189	26.401	4.356	211.127	14.290	13.271
8	134.276	26.065	4.851	129.155	26.398	4.353	211.096	14.292	13.275
10	134.235	26.062	4.847	129.114	26.395	4.349	211.059	14.294	13.280
12	134.187	+26.060	+4.842	129.066	+26.392	+4.345	211.015	+14.297	+13.286
14	134.132	26.057	4.837	129.012	26.389	4.340	210.965	14.301	13.292
16	134.070	26.055	4.831	128.949	26.386	4.334	210.907	14.307	13.299
18	134.001	26.052	4.825	128.880	26.383	4.327	210.843	14.314	13.307
20	133.925	+26.050	+4.818	128.805	+26.380	+4.320	210.774	+14.322	+13.317

0h Welt-Zeit	TITAN U	TITAN B	TITAN P	HYPERION U	HYPERION B	HYPERION P	JAPETUS U	JAPETUS B	JAPETUS P
1928	°	°	°	°	°	°	°	°	°
April 20	133.925	+26.050	+4.818	128.805	+26.380	+4.320	210.774	+14.322	+13.317
22	133.843	26.048	4.811	128.724	26.377	4.312	210.699	14.331	13.328
24	133.755	26.046	4.803	128.635	26.374	4.303	210.617	14.341	13.339
26	133.661	26.044	4.794	128.541	26.371	4.294	210.530	14.352	13.351
28	133.561	26.042	4.785	128.441	26.368	4.284	210.439	14.363	13.362
30	133.454	+26.040	+4.775	128.335	+26.366	+4.274	210.343	+14.375	+13.374
Mai 2	133.342	26.038	4.765	128.222	26.363	4.263	210.241	14.388	13.387
4	133.226	26.036	4.754	128.105	26.361	4.252	210.134	14.402	13.401
6	133.105	26.034	4.743	127.983	26.358	4.240	210.023	14.416	13.415
8	132.979	26.032	4.732	127.857	26.356	4.228	209.907	14.432	13.431
10	132.848	+26.030	+4.720	127.725	+26.353	+4.215	209.786	+14.448	+13.447
12	132.712	26.028	4.707	127.589	26.351	4.202	209.662	14.465	13.463
14	132.572	26.026	4.694	127.449	26.348	4.188	209.534	14.482	13.479
16	132.428	26.025	4.681	127.305	26.345	4.174	209.403	14.500	13.495
18	132.280	26.023	4.667	127.157	26.343	4.160	209.268	14.518	13.512
20	132.129	+26.022	+4.653	127.006	+26.340	+4.145	209.130	+14.537	+13.530
22	131.976	26.020	4.639	126.853	26.337	4.130	208.989	14.556	13.548
24	131.821	26.019	4.625	126.698	26.334	4.115	208.846	14.576	13.566
26	131.663	26.017	4.610	126.540	26.331	4.099	208.701	14.597	13.584
28	131.502	26.015	4.595	126.380	26.329	4.083	208.554	14.618	13.602
30	131.340	+26.014	+4.580	126.218	+26.326	+4.067	208.405	+14.639	+13.620
Juni 1	131.177	26.012	4.565	126.054	26.323	4.051	208.256	14.660	13.638
3	131.013	26.011	4.550	125.889	26.321	4.035	208.106	14.682	13.656
5	130.848	26.009	4.535	125.724	26.318	4.018	207.956	14.704	13.674
7	130.684	26.007	4.519	125.559	26.315	4.002	207.805	14.726	13.692
9	130.519	+26.006	+4.503	125.394	+26.312	+3.985	207.654	+14.749	+13.710
11	130.354	26.005	4.487	125.229	26.310	3.968	207.503	14.771	13.728
13	130.191	26.003	4.471	125.064	26.307	3.952	207.353	14.793	13.746
15	130.028	26.002	4.456	124.901	26.305	3.936	207.203	14.815	13.764
17	129.866	26.001	4.441	124.740	26.302	3.920	207.054	14.836	13.782
19	129.706	+26.000	+4.426	124.580	+26.299	+3.904	206.906	+14.858	+13.799
21	129.548	25.999	4.411	124.422	26.297	3.888	206.761	14.880	13.816
23	129.392	25.998	4.396	124.266	26.295	3.872	206.619	14.902	13.833
25	129.239	25.997	4.381	124.112	26.293	3.856	206.479	14.924	13.849
27	129.089	25.997	4.367	123.962	26.291	3.841	206.341	14.945	13.865
29	128.942	+25.996	+4.353	123.815	+26.289	+3.826	206.206	+14.966	+13.880
Juli 1	128.798	25.996	4.339	123.672	26.287	3.812	206.075	14.987	13.895
3	128.658	25.995	4.325	123.532	26.286	3.798	205.948	15.007	13.910
5	128.522	25.995	4.312	123.395	26.285	3.784	205.824	15.027	13.924
7	128.391	+25.995	+4.299	123.263	+26.284	+3.771	205.704	+15.047	+13.938

0h Welt-Zeit		TITAN			HYPERION			JAPETUS		
		U	*B*	*P*	*U*	*B*	*P*	*U*	*B*	*P*
1928										
Juli	7	128.391	+25.995	+4.299	123.263	+26.284	+3.771	205.704	+15.047	+13.938
	9	128.265	25.996	4.287	123.137	26.283	3.758	205.589	15.067	13.951
	11	128.143	25.996	4.275	123.015	26.283	3.746	205.478	15.086	13.963
	13	128.026	25.997	4.264	122.897	26.283	3.734	205.371	15.104	13.975
	15	127.914	25.998	4.253	122.785	26.284	3.723	205.269	15.122	13.987
	17	127.809	+25.999	+4.243	122.679	+26.285	+3.712	205.172	+15.139	+13.998
	19	127.709	26.001	4.233	122.579	26.285	3.701	205.080	15.155	14.008
	21	127.614	26.003	4.224	122.484	26.286	3.691	204.993	15.171	14.018
	23	127.525	26.006	4.216	122.395	26.288	3.682	204.912	15.186	14.027
	25	127.443	26.008	4.208	122.312	26.290	3.674	204.837	15.202	14.036
	27	127.367	+26.010	+4.200	122.237	+26.292	+3.666	204.769	+15.217	+14.043
	29	127.297	26.013	4.193	122.168	26.293	3.659	204.705	15.231	14.050
	31	127.234	26.017	4.187	122.105	26.297	3.653	204.648	15.244	14.056
Aug.	2	127.177	26.021	4.182	122.048	26.301	3.647	204.597	15.257	14.062
	4	127.127	26.025	4.177	121.998	26.306	3.642	204.554	15.269	14.067
	6	127.085	+26.030	+4.172	121.955	+26.310	+3.637	204.516	+15.281	+14.072
	8	127.049	26.035	4.168	121.919	26.315	3.633	204.484	15.291	14.076
	10	127.020	26.040	4.166	121.890	26.320	3.630	204.459	15.301	14.079
	12	126.998	26.046	4.165	121.868	26.325	3.629	204.440	15.310	14.082
	14	126.983	26.052	4.164	121.853	26.331	3.629	204.428	15.319	14.084
	16	126.975	+26.059	+4.164	121.845	+26.337	+3.628	204.423	+15.326	+14.085
	18	126.974	26.066	4.163	121.845	26.344	3.628	204.424	15.333	14.086
	20	126.980	26.073	4.164	121.852	26.352	3.629	204.432	15.339	14.086
	22	126.994	26.081	4.165	121.866	26.361	3.631	204.446	15.344	14.085
	24	127.016	26.089	4.167	121.887	26.370	3.633	204.467	15.348	14.084
	26	127.044	+26.098	+4.170	121.916	+26.379	+3.636	204.495	+15.352	+14.082
	28	127.080	26.107	4.174	121.952	26.388	3.640	204.530	15.355	14.079
	30	127.123	26.116	4.179	121.996	26.398	3.645	204.572	15.357	14.075
Sept.	1	127.173	26.126	4.184	122.046	26.407	3.651	204.620	15.359	14.071
	3	127.230	26.136	4.190	122.103	26.417	3.657	204.674	15.360	14.066
	5	127.294	+26.146	+4.196	122.167	+26.427	+3.664	204.735	+15.360	+14.060
	7	127.365	26.156	4.203	122.238	26.438	3.672	204.802	15.359	14.054
	9	127.443	26.167	4.211	122.316	26.449	3.680	204.875	15.357	14.047
	11	127.528	26.177	4.220	122.401	26.460	3.689	204.955	15.355	14.039
	13	127.619	26.188	4.230	122.493	26.472	3.699	205.041	15.352	14.031
	15	127.717	+26.199	+4.240	122.592	+26.485	+3.710	205.134	+15.348	+14.022
	17	127.822	26.210	4.251	122.698	26.497	3.721	205.233	15.343	14.012
	19	127.934	26.221	4.262	122.810	26.510	3.733	205.338	15.337	14.001
	21	128.052	+26.233	+4.273	122.928	+26.523	+3.745	205.449	+15.331	+13.990

Saturnstrabanten 1928

0h Welt-Zeit	TITAN $\alpha_{tr}-\alpha_{pl}$		TITAN $\delta_{tr}-\delta_{pl}$		HYPERION $\alpha_{tr}-\alpha_{pl}$		HYPERION $\delta_{tr}-\delta_{pl}$		JAPETUS $\alpha_{tr}-\alpha_{pl}$		JAPETUS $\delta_{tr}-\delta_{pl}$	
1928	s	s	″	″	s	s	″	″	s	s	″	″
Febr. 2	+ 6.30	−4.02	−65.2	− 7.4	− 5.08	+4.44	+ 75.0	+ 1.6	−32.01	+0.74	+135.9	+ 6.4
3	+ 2.28	−4.37	−72.6	+ 3.1	− 0.64	+4.52	+ 76.6	− 7.9	−31.27	+0.91	+142.3	+ 5.5
4	− 2.09	−4.08	−69.5	+13.0	+ 3.88	+4.05	+ 68.7	−16.6	−30.36	+1.08	+147.8	+ 4.7
5	− 6.17	−3.23	−56.5	+21.0	+ 7.93	+3.09	+ 52.1	−23.2	−29.28	+1.24	+152.5	+ 3.9
6	− 9.40	−1.91	−35.5	+26.0	+11.02	+1.84	+ 28.9	−26.6	−28.04	+1.40	+156.4	+ 3.0
7	−11.31	−0.31	− 9.5	+27.4	+12.86	+0.50	+ 2.3	−27.0	−26.64	+1.56	+159.4	+ 2.2
8	−11.62	+1.38	+17.9	+24.9	+13.36	−0.76	− 24.7	−24.8	−25.08	+1.70	+161.6	+ 1.2
9	−10.24	+2.91	+42.8	+18.5	+12.60	−1.81	− 49.5	−20.7	−23.38	+1.84	+162.8	+ 0.3
10	− 7.33	+4.05	+61.3	+ 9.0	+10.79	−2.63	− 70.2	−15.5	−21.54	+1.96	+163.1	− 0.6
11	− 3.28	+4.59	+70.3	− 2.2	+ 8.16	−3.22	− 85.7	− 9.7	−19.58	+2.07	+162.5	− 1.5
12	+ 1.31	+4.37	+68.1	−13.3	+ 4.94	−3.55	− 95.4	− 3.4	−17.51	+2.18	+161.0	− 2.4
13	+ 5.68	+3.45	+54.8	−22.5	+ 1.39	−3.63	− 98.8	+ 2.7	−15.33	+2.29	+158.6	− 3.3
14	+ 9.13	+1.96	+32.3	−27.9	− 2.24	−3.53	− 96.1	+ 8.5	−13.04	+2.36	+155.3	− 4.2
15	+11.09	+0.14	+ 4.4	−28.8	− 5.77	−3.18	− 87.6	+13.9	−10.68	+2.43	+151.1	− 5.2
16	+11.23	−1.64	−24.4	−25.0	− 8.95	−2.64	− 73.7	+18.5	− 8.25	+2.49	+145.9	− 6.0
17	+ 9.59	−3.13	−49.4	−17.4	−11.59	−1.89	− 55.2	+22.1	− 5.76	+2.53	+139.9	− 6.7
18	+ 6.46	−4.12	−66.8	− 7.6	−13.48	−0.96	− 33.1	+24.5	− 3.23	+2.56	+133.2	− 7.6
19	+ 2.34	−4.47	−74.4	+ 3.3	−14.44	+0.13	− 8.6	+25.1	− 0.67	+2.58	+125.6	− 8.4
20	− 2.13	−4.18	−71.1	+13.4	−14.31	+1.32	+ 16.5	+23.8	+ 1.91	+2.57	+117.2	− 9.1
21	− 6.31	−3.31	−57.7	+21.6	−12.99	+2.54	+ 40.3	+20.1	+ 4.48	+2.55	+108.1	− 9.8
22	− 9.62	−1.96	−36.1	+26.6	−10.45	+3.62	+ 60.4	+13.8	+ 7.03	+2.52	+ 98.3	−10.4
23	−11.58	−0.32	− 9.5	+28.2	− 6.83	+4.42	+ 74.2	+ 5.3	+ 9.55	+2.48	+ 87.9	−10.9
24	−11.90	+1.42	+18.7	+25.4	− 2.41	+4.73	+ 79.5	− 4.6	+12.03	+2.41	+ 77.0	−11.4
25	−10.48	+3.00	+44.1	+18.9	+ 2.32	+4.45	+ 74.9	−14.0	+14.44	+2.32	+ 65.6	−11.9
26	− 7.48	+4.16	+63.0	+ 9.1	+ 6.77	+3.61	+ 60.9	−21.8	+16.76	+2.23	+ 53.7	−12.3
27	− 3.32	+4.71	+72.1	− 2.4	+10.38	+2.41	+ 39.1	−26.5	+18.99	+2.12	+ 41.4	−12.6
28	+ 1.39	+4.49	+69.7	−13.9	+12.79	+1.05	+ 12.6	−28.1	+21.11	+1.99	+ 28.8	−12.8
29	+ 5.88	+3.53	+55.8	−23.2	+13.84	−0.29	− 15.5	−26.6	+23.10	+1.85	+ 16.0	−12.9
März 1	+ 9.41	+1.98	+32.6	−28.7	+13.55	−1.46	− 42.1	−23.2	+24.95	+1.70	+ 3.1	−13.0
2	+11.39	+0.13	+ 3.9	−29.5	+12.09	−2.41	− 65.3	−18.2	+26.65	+1.53	− 9.9	−12.9
3	+11.52	−1.71	−25.6	−25.5	+ 9.68	−3.10	− 83.5	−12.3	+28.18	+1.35	− 22.8	−12.8
4	+ 9.81	−3.24	−51.1	−17.7	+ 6.58	−3.56	− 95.8	− 6.1	+29.53	+1.17	− 35.6	−12.6
5	+ 6.57	−4.24	−68.8	− 7.5	+ 3.02	−3.76	−101.9	+ 0.4	+30.70	+0.97	− 48.2	−12.3
6	+ 2.33	−4.59	−76.3	+ 3.5	− 0.74	−3.72	−101.5	+ 6.5	+31.67	+0.76	− 60.5	−12.0
7	− 2.26	−4.28	−72.8	+14.0	− 4.46	−3.47	− 95.0	+12.3	+32.43	+0.55	− 72.5	−11.5
8	− 6.54	−3.38	−58.8	+22.4	− 7.93	−2.99	− 82.7	+17.4	+32.98	+0.32	− 84.0	−11.1
9	− 9.92	−1.99	−36.4	+27.5	−10.92	−2.30	− 65.3	+21.6	+33.30	+0.10	− 95.1	−10.5
10	−11.91	−0.29	− 8.9	+28.8	−13.22	−1.41	− 43.7	+24.6	+33.40	−0.12	−105.6	− 9.7
11	−12.20	+1.50	+19.9	+26.1	−14.63	−0.33	− 19.1	+26.2	+33.28	−0.34	−115.3	− 9.0
12	−10.70		+46.0		−14.96		+ 7.1		+32.94		−124.3	

0h Welt-Zeit	TITAN $\alpha_{tr}-\alpha_{pl}$		TITAN $\delta_{tr}-\delta_{pl}$		HYPERION $\alpha_{tr}-\alpha_{pl}$		HYPERION $\delta_{tr}-\delta_{pl}$		JAPETUS $\alpha_{tr}-\alpha_{pl}$		JAPETUS $\delta_{tr}-\delta_{pl}$	
1928	s	s	"	"	s	s	"	"	s	s	"	"
März 12	−10.70	+3.12	+46.0	+19.0	−14.96	+0.88	+ 7.1	+25.6	+32.94	−0.57	−124.3	− 8.1
13	− 7.58	+4.30	+65.0	+ 9.1	−14.08	+2.16	+ 32.7	+22.6	+32.37	−0.79	−132.4	− 7.3
14	− 3.28	+4.84	+74.1	− 2.9	−11.92	+3.38	+ 55.3	+17.1	+31.58	−1.02	−139.7	− 6.5
15	+ 1.56	+4.61	+71.2	−14.6	− 8.54	+4.34	+ 72.4	+ 9.0	+30.56	−1.23	−146.2	− 5.4
16	+ 6.17	+3.58	+56.6	−24.1	− 4.20	+4.86	+ 81.4	− 1.0	+29.33	−1.42	−151.6	− 4.4
17	+ 9.75	+1.99	+32.5	−29.6	+ 0.66	+4.79	+ 80.4	−11.2	+27.91	−1.62	−156.0	− 3.4
18	+11.74	+0.07	+ 2.9	−30.2	+ 5.45	+4.12	+ 69.2	−20.0	+26.29	−1.81	−159.4	− 2.3
19	+11.81	−1.83	−27.3	−26.0	+ 9.57	+2.99	+ 49.2	−26.2	+24.48	−1.98	−161.7	− 1.2
20	+ 9.98	−3.38	−53.3	−17.9	+12.56	+1.61	+ 23.0	−28.8	+22.50	−2.14	−162.9	− 0.1
21	+ 6.60	−4.37	−71.2	− 7.2	+14.17	+0.20	− 5.8	−28.3	+20.36	−2.28	−163.0	+ 0.9
22	+ 2.23	−4.72	−78.4	+ 4.1	+14.37	−1.09	− 34.1	−25.5	+18.08	−2.42	−162.1	+ 2.0
23	− 2.49	−4.39	−74.3	+14.8	+13.28	−2.18	− 59.6	−20.7	+15.66	−2.53	−160.1	+ 3.1
24	− 6.88	−3.42	−59.5	+23.2	+11.10	−2.95	− 80.3	−15.2	+13.13	−2.62	−157.0	+ 4.2
25	−10.30	−1.98	−36.3	+28.5	+ 8.15	−3.54	− 95.5	− 8.6	+10.51	−2.70	−152.8	+ 5.2
26	−12.28	−0.22	− 7.8	+29.5	+ 4.61	−3.82	−104.1	− 2.1	+ 7.81	−2.77	−147.6	+ 6.2
27	−12.50	+1.62	+21.7	+26.5	+ 0.79	−3.94	−106.2	+ 4.4	+ 5.04	−2.81	−141.4	+ 7.1
28	−10.88	+3.27	+48.2	+19.3	− 3.15	−3.73	−101.8	+10.6	+ 2.23	−2.83	−134.3	+ 8.0
29	− 7.61	+4.47	+67.5	+ 8.7	− 6.88	−3.32	− 91.2	+16.2	− 0.60	−2.84	−126.3	+ 8.8
30	− 3.14	+4.98	+76.2	− 3.6	−10.20	−2.68	− 75.0	+21.0	− 3.44	−2.82	−117.5	+ 9.6
31	+ 1.84	+4.70	+72.6	−15.6	−12.88	−1.83	− 54.0	+24.7	− 6.26	−2.80	−107.9	+10.4
April 1	+ 6.54	+3.62	+57.0	−25.2	−14.71	−0.78	− 29.3	+26.9	− 9.06	−2.75	− 97.5	+11.0
2	+10.16	+1.94	+31.8	−30.5	−15.49	+0.45	− 2.4	+27.0	−11.81	−2.69	− 86.5	+11.6
3	+12.10	−0.04	+ 1.3	−30.9	−15.04	+1.78	+ 24.6	+24.9	−14.50	−2.60	− 74.9	+12.1
4	+12.06	−1.96	−29.6	−26.3	−13.26	+3.08	+ 49.5	+20.1	−17.10	−2.51	− 62.8	+12.5
5	+10.10	−3.54	−55.9	−17.8	−10.18	+4.21	+ 69.6	+12.4	−19.61	−2.40	− 50.3	+12.8
6	+ 6.56	−4.53	−73.7	− 6.8	− 5.97	+4.92	+ 82.0	+ 2.7	−22.01	−2.27	− 37.5	+13.1
7	+ 2.03	−4.85	−80.5	+ 4.9	− 1.05	+5.07	+ 84.7	− 8.1	−24.28	−2.12	− 24.4	+13.4
8	− 2.82	−4.47	−75.6	+15.8	+ 4.02	+4.57	+ 76.6	−17.9	−26.40	−1.97	− 11.0	+13.5
9	− 7.29	−3.44	−59.8	+24.3	+ 8.59	+3.53	+ 58.7	−25.2	−28.37	−1.80	+ 2.5	+13.5
10	−10.73	−1.93	−35.5	+29.2	+12.12	+2.17	+ 33.5	−29.3	−30.17	−1.63	+ 16.0	+13.5
11	−12.66	−0.10	− 6.3	+30.3	+14.29	+0.69	+ 4.2	−29.7	−31.80	−1.44	+ 29.5	+13.3
12	−12.76	+1.77	+24.0	+26.9	+14.98	−0.69	− 25.5	−27.6	−33.24	−1.25	+ 42.8	+13.1
13	−10.99	+3.45	+50.9	+19.1	+14.29	−1.88	− 53.1	−23.3	−34.49	−1.05	+ 55.9	+12.8
14	− 7.54	+4.65	+70.0	+ 8.1	+12.41	−2.83	− 76.4	−17.7	−35.54	−0.84	+ 68.7	+12.4
15	− 2.89	+5.12	+78.1	− 4.5	+ 9.58	−3.50	− 94.1	−11.3	−36.38	−0.63	+ 81.1	+12.0
16	+ 2.23	+4.76	+73.6	−16.7	+ 6.08	−3.90	−105.4	− 4.4	−37.01	−0.41	+ 93.1	+11.5
17	+ 6.99	+3.61	+56.9	−26.3	+ 2.18	−4.05	−109.8	+ 2.3	−37.42	−0.19	+104.6	+11.0
18	+10.60	+1.85	+30.6	−31.5	− 1.87	−3.96	−107.5	+ 8.9	−37.61	+0.04	+115.6	+10.3
19	+12.45	−0.18	− 0.9	−31.4	− 5.83	−3.60	− 98.6	+14.9	−37.57	+0.25	+125.9	+ 9.6
20	+12.27		−32.3		− 9.43		− 83.7		−37.32		+135.5	

0h Welt-Zeit	TITAN				HYPERION				JAPETUS			
	$\alpha_{tr} - \alpha_{pl}$		$\delta_{tr} - \delta_{pl}$		$\alpha_{tr} - \alpha_{pl}$		$\delta_{tr} - \delta_{pl}$		$\alpha_{tr} - \alpha_{pl}$		$\delta_{tr} - \delta_{pl}$	
1928	s	s	″	″	s	s	″	″	s	s	″	″
April 20	+12.27	−2.15	−32.3	−26.5	−9.43	−3.02	−83.7	+20.2	−37.32	+0.47	+135.5	+8.8
21	+10.12	−3.73	−58.8	−17.4	−12.45	−2.21	−63.5	+24.3	−36.85	+0.69	+144.3	+7.9
22	+6.39	−4.70	−76.2	−6.1	−14.66	−1.18	−39.2	+27.1	−36.16	+0.91	+152.2	+7.1
23	+1.69	−4.96	−82.3	+5.9	−15.84	+0.04	−12.1	+28.1	−35.25	+1.11	+159.3	+6.3
24	−3.27	−4.51	−76.4	+16.9	−15.80	+1.38	+16.0	+26.8	−34.14	+1.31	+165.6	+5.3
25	−7.78	−3.41	−59.5	+25.3	−14.42	+2.76	+42.8	+22.6	−32.83	+1.52	+170.9	+4.2
26	−11.19	−1.82	−34.2	+30.2	−11.66	+3.99	+65.4	+15.8	−31.31	+1.71	+175.1	+3.2
27	−13.01	+0.04	−4.0	+30.9	−7.67	+4.91	+81.2	+6.2	−29.60	+1.89	+178.3	+2.2
28	−12.97	+1.98	+26.9	+26.9	−2.76	+5.24	+87.4	−4.7	−27.71	+2.06	+180.5	+1.1
29	−10.99	+3.66	+53.8	+18.7	+2.48	+4.95	+82.7	−15.4	−25.65	+2.21	+181.6	0.0
30	−7.33	+4.80	+72.5	+7.3	+7.43	+4.03	+67.3	−23.9	−23.44	+2.36	+181.6	−1.1
Mai 1	−2.53	+5.24	+79.8	−5.7	+11.46	+2.69	+43.4	−29.0	−21.08	+2.49	+180.5	−2.1
2	+2.71	+4.79	+74.1	−17.9	+14.15	+1.22	+14.4	−30.9	−18.59	+2.60	+178.4	−3.2
3	+7.50	+3.54	+56.2	−27.4	+15.37	−0.32	−16.5	−29.3	−15.99	+2.71	+175.2	−4.3
4	+11.04	+1.71	+28.8	−32.4	+15.05	−1.59	−45.8	−25.5	−13.28	+2.80	+170.9	−5.4
5	+12.75	−0.38	−3.6	−31.8	+13.46	−2.64	−71.3	−20.1	−10.48	+2.88	+165.5	−6.4
6	+12.37	−2.35	−35.4	−26.3	+10.82	−3.41	−91.4	−13.7	−7.60	+2.93	+159.1	−7.4
7	+10.02	−3.92	−61.7	−16.8	+7.41	−3.91	−105.1	−6.8	−4.67	+2.95	+151.7	−8.4
8	+6.10	−4.85	−78.5	−5.1	+3.50	−4.14	−111.9	+0.3	−1.72	+2.97	+143.3	−9.3
9	+1.25	−5.03	−83.6	+7.1	−0.64	−4.11	−111.6	+7.0	+1.25	+2.98	+134.0	−10.3
10	−3.78	−4.51	−76.5	+18.0	−4.75	−3.83	−104.6	+13.4	+4.23	+2.96	+123.7	−11.0
11	−8.29	−3.34	−58.5	+26.4	−8.58	−3.30	−91.2	+19.1	+7.19	+2.91	+112.7	−11.8
12	−11.63	−1.67	−32.1	+30.9	−11.88	−2.53	−72.1	+23.7	+10.10	+2.85	+100.9	−12.5
13	−13.30	+0.24	−1.2	+31.2	−14.41	−1.55	−48.4	+27.2	+12.95	+2.77	+88.4	−13.1
14	−13.06	+2.20	+30.0	+26.7	−15.96	−0.35	−21.2	+28.5	+15.72	+2.67	+75.3	−13.6
15	−10.86	+3.85	+56.7	+18.0	−16.31	+1.00	+7.3	+28.0	+18.39	+2.56	+61.7	−14.0
16	−7.01	+4.95	+74.7	+6.2	−15.31	+2.40	+35.3	+24.8	+20.95	+2.42	+47.7	−14.4
17	−2.06	+5.31	+80.9	−6.9	−12.91	+3.73	+60.1	+18.5	+23.37	+2.26	+33.3	−14.8
18	+3.25	+4.76	+74.0	−19.3	−9.18	+4.77	+78.6	+9.6	+25.63	+2.10	+18.5	−14.9
19	+8.01	+3.42	+54.7	−28.5	−4.41	+5.31	+88.2	−1.3	+27.73	+1.91	+3.6	−14.9
20	+11.43	+1.53	+26.2	−32.9	+0.90	+5.21	+86.9	−12.5	+29.64	+1.70	−11.3	−14.9
21	+12.96	−0.61	−6.7	−31.9	+6.11	+4.44	+74.4	−21.9	+31.34	+1.49	−26.2	−14.7
22	+12.35	−2.58	−38.6	−25.7	+10.55	+3.16	+52.5	−28.4	+32.83	+1.27	−40.9	−14.5
23	+9.77	−4.09	−64.3	−16.0	+13.71	+1.66	+24.1	−31.2	+34.10	+1.03	−55.4	−14.3
24	+5.68	−4.96	−80.3	−3.9	+15.37	+0.12	−7.1	−30.5	+35.13	+0.79	−69.7	−13.7
25	+0.72	−5.07	−84.2	+8.4	+15.49	−1.25	−37.6	−27.2	+35.92	+0.54	−83.4	−13.1
26	−4.35	−4.45	−75.8	+19.1	+14.24	−2.38	−64.8	−22.2	+36.46	+0.28	−96.5	−12.5
27	−8.80	−3.20	−56.7	+27.3	+11.86	−3.30	−87.0	−15.8	+36.74	+0.01	−109.0	−11.8
28	−12.00	−1.49	−29.4	+31.4	+8.56	−3.86	−102.8	−9.0	+36.75	−0.24	−120.8	−11.0
29	−13.49		+2.0		+4.70		−111.8		+36.51		−131.8	

0^h Welt-Zeit		TITAN $\alpha_{tr}-\alpha_{pl}$		TITAN $\delta_{tr}-\delta_{pl}$		HYPERION $\alpha_{tr}-\alpha_{pl}$		HYPERION $\delta_{tr}-\delta_{pl}$		JAPETUS $\alpha_{tr}-\alpha_{pl}$		JAPETUS $\delta_{tr}-\delta_{pl}$	
1928		s	s	"	"	s	s	"	"	s	s	"	"
Mai	29	−13.49	+0.47	+ 2.0	+31.1	+ 4.70	−4.16	−111.8	− 1.9	+36.51	−0.50	−131.8	−10.0
	30	−13.02	+2.41	+33.1	+26.2	+ 0.54	−4.20	−113.7	+ 5.2	+36.01	−0.76	−141.8	− 9.1
	31	−10.61	+4.03	+59.3	+17.1	− 3.66	−3.98	−108.5	+11.7	+35.25	−1.01	−150.9	− 8.0
Juni	1	− 6.58	+5.07	+76.4	+ 4.9	− 7.64	−3.53	− 96.8	+17.5	+34.24	−1.26	−158.9	− 6.9
	2	− 1.51	+5.32	+81.3	− 8.3	−11.17	−2.77	− 79.3	+22.8	+32.98	−1.49	−165.8	− 5.7
	3	+ 3.81	+4.68	+73.0	−20.5	−13.94	−1.86	− 56.5	+26.5	+31.49	−1.72	−171.5	− 4.5
	4	+ 8.49	+3.25	+52.5	−29.3	−15.80	−0.70	− 30.0	+28.6	+29.77	−1.93	−176.0	− 3.3
	5	+11.74	+1.30	+23.2	−33.2	−16.50	+0.61	− 1.4	+28.6	+27.84	−2.13	−179.3	− 2.0
	6	+13.04	−0.84	−10.0	−31.6	−15.89	+2.02	+ 27.2	+26.1	+25.71	−2.30	−181.3	− 0.7
	7	+12.20	−2.79	−41.6	−25.0	−13.87	+3.38	+ 53.3	+20.8	+23.41	−2.48	−182.0	+ 0.5
	8	+ 9.41	−4.24	−66.6	−14.7	−10.49	+4.54	+ 74.1	+12.6	+20.93	−2.62	−181.5	+ 1.7
	9	+ 5.17	−5.03	−81.3	− 2.7	− 5.95	+5.25	+ 86.7	+ 2.1	+18.31	−2.75	−179.8	+ 3.1
	10	+ 0.14	−5.04	−84.0	+ 9.6	− 0.70	+5.33	+ 88.8	− 9.1	+15.56	−2.86	−176.7	+ 4.3
	11	− 4.90	−4.35	−74.4	+20.2	+ 4.63	+4.72	+ 79.7	−19.4	+12.70	−2.94	−172.4	+ 5.4
	12	− 9.25	−3.02	−54.2	+27.9	+ 9.35	+3.59	+ 60.3	−26.9	+ 9.76	−3.01	−167.0	+ 6.6
	13	−12.27	−1.28	−26.3	+31.9	+12.94	+2.11	+ 33.4	−30.7	+ 6.75	−3.06	−160.4	+ 7.8
	14	−13.55	+0.71	+ 5.6	+30.5	+15.05	+0.55	+ 2.7	−31.1	+ 3.69	−3.08	−152.6	+ 8.8
	15	−12.84	+2.61	+36.1	+25.3	+15.60	−0.89	− 28.4	−28.4	+ 0.61	−3.08	−143.8	+ 9.7
	16	−10.23	+4.17	+61.4	+15.9	+14.71	−2.12	− 56.8	−23.9	− 2.47	−3.06	−134.1	+10.6
	17	− 6.06	+5.13	+77.3	+ 3.6	+12.59	−3.07	− 80.7	−17.8	− 5.53	−3.02	−123.5	+11.4
	18	− 0.93	+5.27	+80.9	− 9.6	+ 9.52	−3.72	− 98.5	−11.0	− 8.55	−2.96	−112.1	+12.3
	19	+ 4.34	+4.55	+71.3	−21.5	+ 5.80	−4.09	−109.5	− 3.9	−11.51	−2.89	− 99.8	+12.9
	20	+ 8.89	+3.04	+49.8	−29.8	+ 1.71	−4.22	−113.4	+ 3.1	−14.40	−2.78	− 86.9	+13.4
	21	+11.93	+1.06	+20.0	−33.1	− 2.51	−4.04	−110.3	+ 9.8	−17.18	−2.67	− 73.5	+13.9
	22	+12.99	−1.07	−13.1	−31.1	− 6.55	−3.64	−100.5	+15.9	−19.85	−2.54	− 59.6	+14.3
	23	+11.92	−2.96	−44.2	−24.0	−10.19	−3.00	− 84.6	+21.2	−22.39	−2.40	− 45.3	+14.6
	24	+ 8.96	−4.35	−68.2	−13.4	−13.19	−2.12	− 63.4	+25.3	−24.79	−2.24	− 30.7	+14.8
	25	+ 4.61	−5.03	−81.6	− 1.4	−15.31	−1.04	− 38.1	+27.9	−27.03	−2.06	− 15.9	+14.9
	26	− 0.42	−4.97	−83.0	+10.7	−16.35	+0.22	− 10.2	+28.6	−29.09	−1.87	− 1.0	+14.8
	27	− 5.39	−4.20	−72.3	+21.0	−16.13	+1.60	+ 18.4	+26.9	−30.96	−1.68	+ 13.8	+14.8
	28	− 9.59	−2.82	−51.3	+28.3	−14.53	+2.98	+ 45.3	+22.5	−32.64	−1.48	+ 28.6	+14.6
	29	−12.41	−1.04	−23.0	+31.4	−11.55	+4.19	+ 67.8	+15.2	−34.12	−1.27	+ 43.2	+14.3
	30	−13.45	+0.90	+ 8.4	+30.2	− 7.36	+5.04	+ 83.0	+ 5.5	−35.39	−1.04	+ 57.5	+13.9
Juli	1	−12.55	+2.80	+38.6	+24.3	− 2.32	+5.31	+ 88.5	− 5.6	−36.43	−0.82	+ 71.4	+13.5
	2	− 9.75	+4.25	+62.9	+14.6	+ 2.99	+4.93	+ 82.9	−16.3	−37.25	−0.59	+ 84.9	+13.0
	3	− 5.50	+5.12	+77.5	+ 2.3	+ 7.92	+3.92	+ 66.6	−24.5	−37.84	−0.36	+ 97.9	+12.4
	4	− 0.38	+5.18	+79.8	−10.8	+11.84	+2.54	+ 42.1	−29.5	−38.20	−0.14	+110.3	+11.7
	5	+ 4.80	+4.37	+69.0	−22.2	+14.38	+0.99	+ 12.6	−31.0	−38.34	+0.10	+122.0	+10.9
	6	+ 9.17	+2.83	+46.8	−30.0	+15.37	−0.48	− 18.4	−29.1	−38.24	+0.32	+132.9	+10.2
	7	+12.00		+16.8		+14.89		− 47.5		−37.92		+143.1	

0h Welt-Zeit	TITAN $\alpha_{tr} - \alpha_{pl}$ (s)		TITAN $\delta_{tr} - \delta_{pl}$ (″)		HYPERION $\alpha_{tr} - \alpha_{pl}$ (s)		HYPERION $\delta_{tr} - \delta_{pl}$ (″)		JAPETUS $\alpha_{tr} - \alpha_{pl}$ (s)		JAPETUS $\delta_{tr} - \delta_{pl}$ (″)	
1928												
Juli 7	+12.00	+0.82	+16.8	−32.8	+14.89	−1.76	−47.5	−25.1	−37.92	+0.55	+143.1	+9.3
8	+12.82	−1.26	−16.0	−30.1	+13.13	−2.77	−72.6	−19.4	−37.37	+0.76	+152.4	+8.4
9	+11.56	−3.10	−46.1	−22.9	+10.36	−3.51	−92.0	−13.0	−36.61	+0.98	+160.8	+7.4
10	+8.46	−4.40	−69.0	−12.2	+6.85	−3.96	−105.0	−6.0	−35.63	+1.19	+168.2	+6.4
11	+4.06	−5.00	−81.2	−0.1	+2.89	−4.12	−111.0	+0.9	−34.44	+1.40	+174.6	+5.3
12	−0.94	−4.84	−81.3	+11.6	−1.23	−4.05	−110.1	+7.7	−33.04	+1.58	+179.9	+4.3
13	−5.78	−4.01	−69.7	+21.5	−5.28	−3.72	−102.4	+13.8	−31.46	+1.76	+184.2	+3.2
14	−9.79	−2.62	−48.2	+28.3	−9.00	−3.15	−88.6	+19.3	−29.70	+1.93	+187.4	+2.1
15	−12.41	−0.84	−19.9	+31.0	−12.15	−2.35	−69.3	+23.6	−27.77	+2.10	+189.5	+1.0
16	−13.25	+1.08	+11.1	+29.3	−14.50	−1.35	−45.7	+26.6	−25.67	+2.24	+190.5	−0.2
17	−12.17	+2.90	+40.4	+23.2	−15.85	−0.17	−19.1	+28.1	−23.43	+2.37	+190.3	−1.3
18	−9.27	+4.30	+63.6	+13.3	−16.02	+1.14	+9.0	+27.2	−21.06	+2.50	+189.0	−2.5
19	−4.97	+5.08	+76.9	+1.1	−14.88	+2.51	+36.2	+23.7	−18.56	+2.59	+186.5	−3.6
20	+0.11	+5.05	+78.0	−11.6	−12.37	+3.76	+59.9	+17.4	−15.97	+2.68	+182.9	−4.6
21	+5.16	+4.17	+66.4	−22.7	−8.61	+4.70	+77.3	+8.6	−13.29	+2.76	+178.3	−5.7
22	+9.33	+2.60	+43.7	−29.9	−3.91	+5.17	+85.9	−1.9	−10.53	+2.82	+172.6	−6.8
23	+11.93	+0.62	+13.8	−32.1	+1.26	+5.00	+84.0	−12.6	−7.71	+2.85	+165.8	−7.8
24	+12.55	−1.42	−18.3	−29.2	+6.26	+4.20	+71.4	−21.5	−4.86	+2.86	+158.0	−8.7
25	+11.13	−3.18	−47.5	−21.6	+10.46	+2.92	+49.9	−27.6	−2.00	+2.88	+149.3	−9.6
26	+7.95	−4.39	−69.1	−10.9	+13.38	+1.45	+22.3	−30.0	+0.88	+2.86	+139.7	−10.4
27	+3.56	−4.91	−80.0	+0.8	+14.83	−0.01	−7.7	−29.2	+3.74	+2.83	+129.3	−11.2
28	−1.35	−4.70	−79.2	+12.3	+14.82	−1.34	−36.9	−26.0	+6.57	+2.78	+118.1	−12.0
29	−6.05	−3.83	−66.9	+21.7	+13.48	−2.41	−62.9	−20.9	+9.35	+2.71	+106.1	−12.6
30	−9.88	−2.42	−45.2	+28.1	+11.07	−3.21	−83.8	−14.8	+12.06	+2.62	+93.5	−13.1
31	−12.30	−0.66	−17.1	+30.3	+7.86	−3.73	−98.6	−8.2	+14.68	+2.53	+80.4	−13.6
Aug. 1	−12.96	+1.21	+13.2	+28.3	+4.13	−3.98	−106.8	−1.3	+17.21	+2.40	+66.8	−14.0
2	−11.75	+2.97	+41.5	+22.1	+0.15	−3.99	−108.1	+5.2	+19.61	+2.27	+52.8	−14.4
3	−8.78	+4.30	+63.6	+12.2	−3.84	−3.73	−102.9	+11.4	+21.88	+2.13	+38.4	−14.6
4	−4.48	+4.98	+75.8	+0.1	−7.57	−3.27	−91.5	+17.1	+24.01	+1.95	+23.8	−14.7
5	+0.50	+4.89	+75.9	−12.2	−10.84	−2.56	−74.4	+21.6	+25.96	+1.78	+9.1	−14.6
6	+5.39	+3.98	+63.7	−22.8	−13.40	−1.66	−52.8	+25.1	+27.74	+1.59	−5.5	−14.6
7	+9.37	+2.41	+40.9	−29.6	−15.06	−0.56	−27.7	+26.9	+29.33	+1.40	−20.1	−14.5
8	+11.78	+0.45	+11.3	−31.4	−15.62	+0.67	−0.8	+26.9	+30.73	+1.18	−34.6	−14.2
9	+12.23	−1.53	−20.1	−28.0	−14.95	+1.98	+26.1	+24.5	+31.91	+0.96	−48.8	−13.7
10	+10.70	−3.21	−48.1	−20.5	−12.97	+3.25	+50.6	+19.4	+32.87	+0.74	−62.5	−13.3
11	+7.49	−4.34	−68.6	−10.0	−9.72	+4.29	+70.0	+11.6	+33.61	+0.51	−75.8	−12.8
12	+3.15	−4.80	−78.6	+1.7	−5.43	+4.92	+81.6	+1.8	+34.12	+0.27	−88.6	−12.2
13	−1.65	−4.55	−76.9	+12.6	−0.51	+4.96	+83.4	−8.6	+34.39	+0.04	100.8	−11.4
14	−6.20	−3.65	−64.3	+21.7	+4.45	+4.38	+74.8	−18.1	+34.43	−0.20	−112.2	−10.7
15	−9.85		−42.6		+8.83		+56.7		+34.23		−122.9	

0h Welt-Zeit	TITAN $\alpha_{tr}-\alpha_{pl}$		TITAN $\delta_{tr}-\delta_{pl}$		HYPERION $\alpha_{tr}-\alpha_{pl}$		HYPERION $\delta_{tr}-\delta_{pl}$		JAPETUS $\alpha_{tr}-\alpha_{pl}$		JAPETUS $\delta_{tr}-\delta_{pl}$	
1928	s	s	″	″	s	s	″	″	s	s	″	″
Aug. 15	− 9.85	−2.25	−42.6	+27.7	+ 8.83	+3.30	+ 56.7	−25.0	+34.23	−0.43	−122.9	− 9.8
16	−12.10	−0.53	−14.9	+29.6	+12.13	+1.92	+ 31.7	−28.6	+33.80	−0.66	−132.7	− 8.9
17	−12.63	+1.31	+14.7	+27.4	+14.05	+0.48	+ 3.1	−28.8	+33.14	−0.88	−141.6	− 7.8
18	−11.32	+2.98	+42.1	+21.1	+14.53	−0.86	− 25.7	−26.5	+32.26	−1.10	−149.4	− 6.8
19	− 8.34	+4.25	+63.2	+11.2	+13.67	−1.98	− 52.2	−22.2	+31.16	−1.31	−156.2	− 5.7
20	− 4.09	+4.86	+74.4	− 0.6	+11.69	−2.85	− 74.4	−16.5	+29.85	−1.51	−161.9	− 4.5
21	+ 0.77	+4.74	+73.8	−12.6	+ 8.84	−3.44	− 90.9	−10.3	+28.34	−1.70	−166.4	− 3.4
22	+ 5.51	+3.81	+61.2	−22.7	+ 5.40	−3.79	−101.2	− 3.8	+26.64	−1.88	−169.8	− 2.3
23	+ 9.32	+2.24	+38.5	−29.1	+ 1.61	−3.86	−105.0	+ 2.7	+24.76	−2.04	−172.1	− 1.1
24	+11.56	+0.32	+ 9.4	−30.5	− 2.25	−3.73	−102.3	+ 8.9	+22.72	−2.19	−173.2	+ 0.1
25	+11.88	−1.58	−21.1	−27.1	− 5.98	−3.34	− 93.4	+14.5	+20.53	−2.31	−173.1	+ 1.3
26	+10.30	−3.20	−48.2	−19.5	− 9.32	−2.76	− 78.9	+19.5	+18.22	−2.42	−171.8	+ 2.4
27	+ 7.10	−4.27	−67.7	− 9.2	−12.08	−1.95	− 59.4	+23.1	+15.80	−2.53	−169.4	+ 3.4
28	+ 2.83	−4.67	−76.9	+ 2.2	−14.03	−0.96	− 36.3	+25.7	+13.27	−2.61	−166.0	+ 4.6
29	− 1.84	−4.40	−74.7	+12.8	−14.99	+0.19	− 10.6	+26.3	+10.66	−2.67	−161.4	+ 5.7
30	− 6.24	−3.50	−61.9	+21.6	−14.80	+1.44	+ 15.7	+24.8	+ 7.99	−2.70	−155.7	+ 6.7
31	− 9.74	−2.12	−40.3	+27.1	−13.36	+2.70	+ 40.5	+21.0	+ 5.29	−2.73	−149.0	+ 7.5
Sept. 1	−11.86	−0.43	−13.2	+28.9	−10.66	+3.80	+ 61.5	+14.3	+ 2.56	−2.75	−141.5	+ 8.4
2	−12.29	+1.35	+15.7	+26.5	− 6.86	+4.58	+ 75.8	+ 5.5	− 0.19	−2.72	−133.1	+ 9.3
3	−10.94	+2.97	+42.2	+20.2	− 2.28	+4.84	+ 81.3	− 4.6	− 2.91	−2.70	−123.8	+10.1
4	− 7.97	+4.17	+62.4	+10.5	+ 2.56	+4.50	+ 76.7	−14.3	− 5.61	−2.66	−113.7	+10.7
5	− 3.80	+4.76	+72.9	− 1.1	+ 7.06	+3.64	+ 62.4	−22.2	− 8.27	−2.60	−103.0	+11.3
6	+ 0.96	+4.58	+71.8	−12.8	+10.70	+2.35	+ 40.2	−26.3	−10.87	−2.51	− 91.7	+11.8
7	+ 5.54	+3.65	+59.0	−22.5	+13.05	+1.00	+ 13.9	−28.1	−13.38	−2.42	− 79.9	+12.3
8	+ 9.19	+2.12	+36.5	−28.5	+14.05	−0.34	− 14.2	−26.7	−15.80	−2.32	− 67.6	+12.6
9	+11.31	+0.25	+ 8.0	−29.8	+13.71	−1.50	− 40.9	−23.2	−18.12	−2.20	− 55.0	+12.9
10	+11.56	−1.60	−21.8	−26.2	+12.21	−2.43	− 64.1	−18.3	−20.32	−2.07	− 42.1	+13.2
11	+ 9.96	−3.16	−48.0	−18.7	+ 9.78	−3.11	− 82.4	−12.4	−22.39	−1.93	− 28.9	+13.3
12	+ 6.80	−4.18	−66.7	− 8.5	+ 6.67	−3.54	− 94.8	− 6.2	−24.32	−1.78	− 15.6	+13.2
13	+ 2.62	−4.55	−75.2	+ 2.4	+ 3.13	−3.72	−101.0	+ 0.1	−26.10	−1.62	− 2.4	+13.3
14	− 1.93	−4.26	−72.8	+12.8	− 0.59	−3.68	−100.9	+ 6.2	−27.72	−1.45	+ 10.9	+13.1
15	− 6.19	−3.38	−60.0	+21.3	− 4.27	−3.41	− 94.7	+12.0	−29.17	−1.27	+ 24.0	+12.8
16	− 9.57	−2.02	−38.7	+26.6	− 7.68	−2.91	− 82.7	+16.9	−30.44	−1.09	+ 36.8	+12.6
17	−11.59	−0.37	−12.1	+28.3	−10.59	−2.24	− 65.8	+21.2	−31.53	−0.90	+ 49.4	+12.3
18	−11.96	+1.35	+16.2	+25.7	−12.83	−1.34	− 44.6	+24.1	−32.43	−0.72	+ 61.7	+12.0
19	−10.61	+2.92	+41.9	+19.5	−14.17	−0.29	− 20.5	+25.6	−33.15	−0.53	+ 73.7	+11.5
20	− 7.69	+4.09	+61.4	+ 9.9	−14.46	+0.89	+ 5.1	+24.9	−33.68	−0.33	+ 85.2	+10.8
21	− 3.60		+71.3		−13.57		+ 30.0		−34.01		+ 96.0	

Östliche Elongationen (in Welt-Zeit)

MIMAS

	h		h		h		h		h
Febr. 1	10.6	März 16	17.7	April 30	0.7	Juni 13	7.5	Juli 27	14.5
2	9.2	17	16.3	30	23.3	14	6.2	28	13.1
3	7.8	18	15.0	Mai 1	21.9	15	4.8	29	11.7
4	6.4	19	13.6	2	20.5	16	3.4	30	10.3
5	5.1	20	12.2	3	19.1	17	2.0	31	8.9
6	3.7	21	10.8	4	17.8	18	0.6	Aug. 1	7.6
7	2.3	22	9.4	5	16.4	18	23.2	2	6.2
8	0.9	23	8.0	6	15.0	19	21.8	3	4.8
8	23.6	24	6.6	7	13.6	20	20.4	4	3.4
9	22.2	25	5.2	8	12.2	21	19.1	5	2.1
10	20.8	26	3.9	9	10.8	22	17.7	6	0.7
11	19.4	27	2.5	10	9.4	23	16.3	6	23.3
12	18.1	28	1.1	11	8.0	24	14.9	7	21.9
13	16.7	28	23.8	12	6.6	25	13.5	8	20.5
14	15.3	29	22.4	13	5.3	26	12.1	9	19.2
15	13.9	30	21.0	14	3.9	27	10.7	10	17.8
16	12.6	31	19.6	15	2.5	28	9.3	11	16.4
17	11.2	April 1	18.2	16	1.1	29	7.9	12	15.0
18	9.8	2	16.9	16	23.7	30	6.6	13	13.6
19	8.4	3	15.5	17	22.3	Juli 1	5.2	14	12.2
20	7.0	4	14.1	18	20.9	2	3.8	15	10.8
21	5.6	5	12.7	19	19.5	3	2.4	16	9.4
22	4.2	6	11.3	20	18.2	4	1.1	17	8.1
23	2.9	7	9.9	21	16.8	4	23.7	18	6.7
24	1.5	8	8.5	22	15.4	5	22.3	19	5.3
25	0.1	9	7.1	23	14.0	6	20.9	20	3.9
25	22.7	10	5.7	24	12.6	7	19.5	21	2.6
26	21.4	11	4.4	25	11.2	8	18.2	22	1.2
27	20.0	12	3.0	26	9.8	9	16.8	22	23.8
28	18.6	13	1.6	27	8.4	10	15.4	23	22.4
29	17.2	14	0.2	28	7.0	11	14.0	24	21.0
März 1	15.8	14	22.9	29	5.7	12	12.6	25	19.7
2	14.5	15	21.5	30	4.3	13	11.2	26	18.3
3	13.1	16	20.1	31	2.9	14	9.8	27	16.9
4	11.7	17	18.7	Juni 1	1.5	15	8.4	28	15.5
5	10.3	18	17.3	2	0.2	16	7.1	29	14.1
6	8.9	19	16.0	2	22.8	17	5.7	30	12.7
7	7.5	20	14.6	3	21.4	18	4.3	31	11.4
8	6.1	21	13.2	4	20.0	19	2.9	Sept. 1	10.0
9	4.7	22	11.8	5	18.6	20	1.6	2	8.6
10	3.4	23	10.4	6	17.3	21	0.2	3	7.2
11	2.0	24	9.0	7	15.9	21	22.8	4	5.9
12	0.6	25	7.6	8	14.5	22	21.4	5	4.5
12	23.2	26	6.2	9	13.1	23	20.0	6	3.1
13	21.9	27	4.9	10	11.7	24	18.7	7	1.7
14	20.5	28	3.5	11	10.3	25	17.3	8	0.4
15	19.1	29	2.1	12	8.9	26	15.9	8	23.0

Östliche Elongationen (in Welt-Zeit)

MIMAS

	h
Sept. 9	21.6
10	20.2
11	18.9
12	17.5
13	16.1
14	14.7
15	13.3
16	12.0
17	10.6
18	9.2
19	7.8
20	6.5
21	5.1
22	3.7
23	2.3
24	1.0
24	23.6

ENCELADUS

	h
Febr. 2	23.6
4	8.5
5	17.4
7	2.3
8	11.2
9	20.1
11	5.0
12	13.8
13	22.7
15	7.6
16	16.5
18	1.4
19	10.3
20	19.2
22	4.1
23	13.0
24	21.9
26	6.8
27	15.6
29	0.5
März 1	9.4
2	18.3
4	3.2
5	12.1
6	21.0
8	5.9

ENCELADUS

	h
März 9	14.8
10	23.6
12	8.5
13	17.4
15	2.3
16	11.2
17	20.1
19	4.9
20	13.8
21	22.7
23	7.6
24	16.5
26	1.4
27	10.2
28	19.1
30	4.0
31	12.9
April 1	21.8
3	6.7
4	15.5
6	0.4
7	9.3
8	18.2
10	3.0
11	11.9
12	20.8
14	5.7
15	14.5
16	23.4
18	8.3
19	17.2
21	2.0
22	10.9
23	19.8
25	4.7
26	13.6
27	22.4
29	7.3
30	16.2
Mai 2	1.1
3	10.0
4	18.9
6	3.7
7	12.6
8	21.5
10	6.4
11	15.2

ENCELADUS

	h
Mai 13	0.1
14	9.0
15	17.9
17	2.7
18	11.6
19	20.5
21	5.4
22	14.2
23	23.1
25	8.0
26	16.9
28	1.7
29	10.6
30	19.5
Juni 1	4.4
2	13.2
3	22.1
5	7.0
6	15.9
8	0.7
9	9.6
10	18.5
12	3.3
13	12.2
14	21.1
16	6.0
17	14.8
18	23.7
20	8.6
21	17.5
23	2.3
24	11.2
25	20.1
27	5.0
28	13.8
29	22.7
Juli 1	7.6
2	16.5
4	1.3
5	10.2
6	19.1
8	4.0
9	12.8
10	21.7
12	6.6
13	15.5
15	0.4

ENCELADUS

	h
Juli 16	9.2
17	18.1
19	3.0
20	11.9
21	20.8
23	5.7
24	14.5
25	23.4
27	8.3
28	17.2
30	2.1
31	11.0
Aug. 1	19.8
3	4.7
4	13.6
5	22.5
7	7.4
8	16.3
10	1.1
11	10.0
12	18.9
14	3.8
15	12.7
16	21.6
18	6.5
19	15.4
21	0.3
22	9.1
23	18.0
25	2.9
26	11.8
27	20.7
29	5.6
30	14.5
31	23.4
Sept. 2	8.3
3	17.2
5	2.1
6	10.9
7	19.8
9	4.7
10	13.6
11	22.5
13	7.4
14	16.3
16	1.2
17	10.1

ENCELADUS

	h
Sept. 18	19.0
20	3.9
21	12.8
22	21.7
24	6.6

TETHYS

	h
Febr. 3	17.4
5	14.7
7	12.0
9	9.3
11	6.7
13	4.0
15	1.3
16	22.6
18	20.0
20	17.3
22	14.6
24	11.9
26	9.3
28	6.6
März 1	4.0
3	1.3
4	22.6
6	19.9
8	17.2
10	14.5
12	11.8
14	9.1
16	6.4
18	3.7
20	1.0
21	22.3
23	19.6
25	16.9
27	14.2
29	11.5
31	8.9
April 2	6.2
4	3.5
6	0.8
7	22.1
9	19.4
11	16.7
13	14.0
15	11.4

Östliche Elongationen (in Welt-Zeit)

TETHYS

	h
April 17	8.7
19	6.0
21	3.3
23	0.6
24	21.9
26	19.2
28	16.5
30	13.8
Mai 2	11.0
4	8.2
6	5.5
8	2.8
10	0.1
11	21.4
13	18.7
15	16.0
17	13.3
19	10.6
21	7.8
23	5.1
25	2.4
26	23.7
28	21.0
30	18.3
Juni 1	15.6
3	12.9
5	10.2
7	7.4
9	4.7
11	2.0
12	23.3
14	20.6
16	17.9
18	15.1
20	12.4
22	9.7
24	7.0
26	4.3
28	1.6
29	22.9
Juli 1	20.2
3	17.5
5	14.7
7	12.0
9	9.3
11	6.6
13	3.9

TETHYS

	h
Juli 15	1.2
16	22.5
18	19.8
20	17.1
22	14.4
24	11.7
26	9.0
28	6.3
30	3.6
Aug. 1	0.9
2	22.2
4	19.5
6	16.8
8	14.1
10	11.4
12	8.7
14	6.0
16	3.3
18	0.6
19	21.9
21	19.3
23	16.6
25	13.9
27	11.2
29	8.5
31	5.8
Sept. 2	3.1
4	0.4
5	21.8
7	19.1
9	16.4
11	13.7
13	11.0
15	8.4
17	5.7
19	3.0
21	0.3
22	21.7
24	19.0

DIONE

	h
Febr. 2	16.7
5	10.4
8	4.1
10	21.8
13	15.6

DIONE

	h
Febr. 16	9.3
19	3.0
21	20.7
24	14.4
27	8.1
März 1	1.9
3	19.6
6	13.3
9	7.0
12	0.7
14	18.4
17	12.0
20	5.7
22	23.4
25	17.1
28	10.8
31	4.5
April 2	22.1
5	15.8
8	9.5
11	3.2
13	20.9
16	14.5
19	8.2
22	1.8
24	19.5
27	13.2
30	6.8
Mai 3	0.5
5	18.1
8	11.8
11	5.4
13	23.1
16	16.7
19	10.4
22	4.0
24	21.7
27	15.3
30	8.9
Juni 2	2.6
4	20.2
7	13.9
10	7.5
13	1.1
15	18.8
18	12.4
21	6.1

DIONE

	h
Juni 23	23.7
26	17.4
29	11.0
Juli 2	4.7
4	22.3
7	16.0
10	9.6
13	3.3
15	21.0
18	14.7
21	8.3
24	2.0
26	19.6
29	13.3
Aug. 1	7.0
4	0.7
6	18.3
9	12.0
12	5.7
14	23.4
17	17.1
20	10.8
23	4.5
25	22.2
28	15.9
31	9.6
Sept. 3	3.3
5	21.0
8	14.7
11	8.4
14	2.1
16	19.8
19	13.5
22	7.3

RHEA

	h
Febr. 5	21.1
10	9.6
14	22.2
19	10.7
23	23.2
28	11.7
März 4	0.1
8	12.6
13	1.1
17	13.5

RHEA

	h
März 22	2.0
26	14.4
31	2.8
April 4	15.2
9	3.6
13	16.0
18	4.3
22	16.7
27	5.1
Mai 1	17.4
6	5.8
10	18.1
15	6.4
19	18.7
24	7.0
28	19.3
Juni 2	7.7
6	20.0
11	8.3
15	20.6
20	9.0
24	21.3
29	9.6
Juli 3	21.9
8	10.3
12	22.6
17	11.0
21	23.3
26	11.7
31	0.0
Aug. 4	12.4
9	0.8
13	13.2
18	1.7
22	14.1
27	2.6
31	15.0
Sept. 5	3.5
9	15.9
14	4.4
18	16.9
23	5.4

Elongationen und Konjunktionen (in Welt-Zeit)

TITAN

		h	
Febr.	3	16.3	Unt. Konj.
	7	21.3	Westl. El.
	11	20.7	Ob. Konj.
	15	15.9	Östl. El.
	19	16.4	Unt. Konj.
	23	21.3	Westl. El.
	27	20.5	Ob. Konj.
März	2	15.6	Östl. El.
	6	16.0	Unt. Konj.
	10	20.8	Westl. El.
	14	19.8	Ob. Konj.
	18	14.8	Östl. El.
	22	15.1	Unt. Konj.
	26	19.7	Westl. El.
	30	18.7	Ob. Konj.
April	3	13.6	Östl. El.
	7	13.7	Unt. Konj.
	11	18.2	Westl. El.
	15	17.0	Ob. Konj.
	19	11.8	Östl. El.
	23	11.8	Unt. Konj.
	27	16.2	Westl. El.
Mai	1	15.0	Ob. Konj.
	5	9.6	Östl. El.
	9	9.5	Unt. Konj.
	13	13.8	Westl. El.
	17	12.6	Ob. Konj.
	21	7.2	Östl. El.
	25	6.9	Unt. Konj.
	29	11.1	Westl. El.
Juni	2	10.0	Ob. Konj.
	6	4.5	Östl. El.
	10	4.1	Unt. Konj.
	14	8.4	Westl. El.
	18	7.4	Ob. Konj.
	22	1.9	Östl. El.
	26	1.4	Unt. Konj.
	30	5.7	Westl. El.
Juli	4	4.9	Ob. Konj.
	7	23.4	Östl. El.
	11	22.9	Unt. Konj.
	16	3.4	Westl. El.

TITAN

		h	
Juli	20	2.7	Ob. Konj.
	23	21.3	Östl. El.
	27	20.8	Unt. Konj.
Aug.	1	1.4	Westl. El.
	5	0.8	Ob. Konj.
	8	19.6	Östl. El.
	12	19.2	Unt. Konj.
	16	23.8	Westl. El.
	20	23.4	Ob. Konj.
	24	18.3	Östl. El.
	28	18.0	Unt. Konj.
Sept.	1	22.8	Westl. El.
	5	22.5	Ob. Konj.
	9	17.5	Östl. El.
	13	17.4	Unt. Konj.
	17	22.3	Westl. El.

HYPERION

		h	
Febr.	3	6.8	Ob. Konj.
	7	15.6	Östl. El.
	13	14.1	Unt. Konj.
	19	23.8	Westl. El.
	24	15.6	Ob. Konj.
	29	0.6	Östl. El.
März	6	0.2	Unt. Konj.
	12	9.0	Westl. El.
	17	0.3	Ob. Konj.
	21	9.5	Östl. El.
	27	9.5	Unt. Konj.
April	2	17.7	Westl. El.
	7	8.4	Ob. Konj.
	11	17.6	Östl. El.
	17	17.7	Unt. Konj.
	24	1.8	Westl. El.
	28	16.0	Ob. Konj.
Mai	3	0.9	Östl. El.
	9	0.9	Unt. Konj.
	15	8.8	Westl. El.
	19	23.2	Ob. Konj.

HYPERION

		h	
Mai	24	8.0	Östl. El.
	30	7.6	Unt. Konj.
Juni	5	15.6	Westl. El.
	10	6.3	Ob. Konj.
	14	15.0	Östl. El.
	20	14.1	Unt. Konj.
	26	22.5	Westl. El.
Juli	1	13.5	Ob. Konj.
	5	22.1	Östl. El.
	11	21.2	Unt. Konj.
	18	5.9	Westl. El.
	22	21.2	Ob. Konj.
	27	6.0	Östl. El.
Aug.	2	5.1	Unt. Konj.
	8	13.9	Westl. El.
	13	5.5	Ob. Konj.
	17	14.8	Östl. El.
	23	14.3	Unt. Konj.
	29	23.1	Westl. El.
Sept.	3	14.4	Ob. Konj.
	8	0.1	Östl. El.
	14	0.6	Unt. Konj.
	20	8.8	Westl. El.

JAPETUS

		h	
Febr.	20	2.2	Ob. Konj.
März	10	12.6	Östl. El.
	29	13.8	Unt. Konj.
April	18	21.7	Westl. El.
Mai	9	9.1	Ob. Konj.
	28	8.6	Östl. El.
Juni	16	0.4	Unt. Konj.
Juli	6	1.4	Westl. El.
	26	14.0	Ob. Konj.
Aug.	14	20.0	Östl. El.
Sept.	2	19.5	Unt. Konj.

Konstellationen 1928

Welt-Zeit

Jan.

	h	
9	1	☿ obere ☌ ☉
16	17	♀ ☌ ♄, ♀ 0° 28′ N.
19	6	♄ ☌ ☾
19	12	♀ ☌ ☾
20	12	♂ ☌ ☾
23	14	☿ ☌ ☾
27	0	♃ ☌ ☾

Febr.

	h	
9	3	☿ gr. östl. El. 18° 12′
10	22	☿ im Perihel
14	2	♀ ☌ ♂, ♀ 1° 21′ N.
15	0	☿ stationär
15	19	♄ ☌ ☾
17	17	♆ ☍ ☉
18	13	♂ ☌ ☾
18	17	♀ ☌ ☾
21	15	☿ ☌ ☾
23	17	♃ ☌ ☾
24	15	☿ untere ☌ ☉

März

	h	
7	22	☿ stationär
14	6	♄ ☌ ☾
15	7	♃ im Perihel
17	18	☿ ☌ ♀, ☿ 0° 36′ N.
18	13	♂ ☌ ☾
19	17	☿ ☌ ☾
19	18	♀ ☌ ☾
22	13	♃ ☌ ☾
22	15	☿ gr. westl. El. 27° 46′
24	6	♅ ☌ ☉
25	22	☿ im Aphel
28	23	♄ stationär
30	13	♀ im Aphel

April

	h	
6	15	♃ ☌ ☉
8	3	☿ ☌ ♀, ☿ 1° 6′ S.
10	13	♄ ☌ ☾
16	12	♂ ☌ ☾
18	18	♀ ☌ ☾
19	2	☿ ☌ ☾
19	11	♃ ☌ ☾
22	11	☿ ☌ ♃, ☿ 0° 45′ S.
29	8	♀ ☌ ♃, ♀ 0° 26′ S.

Mai

	h	
3	12	☿ obere ☌ ☉
7	17	♄ ☌ ☾
8	21	☿ im Perihel
15	11	♂ ☌ ☾
17	9	♃ ☌ ☾
18	17	♀ ☌ ☾
20	20	☿ ☌ ☾

Juni

	h	
3	1	☿ gr. östl. El. 23° 32′
3	20	♄ ☌ ☾
4	19	♂ im Perihel
6	20	♄ ☍ ☉
13	8	♂ ☌ ☾
14	4	♃ ☌ ☾
16	8	☿ stationär
17	14	♀ ☌ ☾
18	22	☿ ☌ ☾
21	21	☿ im Aphel
29	13	☿ untere ☌ ☉
29	17	☿ ☌ ♀, ☿ 4° 55′ S.
30	22	♄ ☌ ☾

Juli

	h	
1	15	♀ obere ☌ ☉
3	21	♂ ☌ ♃, ♂ 0° 18′ S.
10	19	☿ stationär
11	19	♃ ☌ ☾
12	3	♂ ☌ ☾
15	19	☿ ☌ ☾
17	11	♀ ☌ ☾
20	21	♀ im Perihel
21	4	☿ gr. westl. El. 20° 11′
28	3	♄ ☌ ☾

Aug.

	h	
4	21	☿ im Perihel
8	6	♃ ☌ ☾
9	18	♂ ☌ ☾
15	10	☿ ☌ ☾
16	5	☿ obere ☌ ☉
16	11	♀ ☌ ☾
17	7	♄ stationär
22	7	♆ ☌ ☉
24	10	♄ ☌ ☾
30	17	♃ stationär

Sept.

	h	
4	13	♃ ☌ ☾
7	5	♂ ☌ ☾
10	11	☿ ☌ ♀, ☿ 1° 31′ S.
15	17	♀ ☌ ☾
15	19	☿ ☌ ☾
17	20	☿ im Aphel
20	20	♄ ☌ ☾
28	19	♅ ☍ ☉
30	4	☿ gr. östl. El. 25° 52′

Okt.

	h	
1	1	☿ ☌ ♀, ☿ 3° 22′ S.
1	18	♃ ☌ ☾
5	9	♂ ☌ ☾
12	18	☿ stationär
15	2	☿ ☌ ☾
16	4	♀ ☌ ☾
18	8	♄ ☌ ☾
24	8	☿ untere ☌ ☉
28	22	♃ ☌ ☾
29	0	♃ ☍ ☉
31	20	☿ im Perihel

Nov.

	h	
1	22	☿ stationär
2	5	♂ ☌ ☾
7	3	♀ ☌ ♄, ♀ 2° 41′ S.
9	7	☿ gr. westl. El. 19° 4′
10	4	♀ im Aphel
10	16	☿ ☌ ☾
12	10	♂ stationär
14	20	♄ ☌ ☾
15	15	♀ ☌ ☾
25	4	♃ ☌ ☾
29	12	♂ ☌ ☾

Dez.

	h	
11	21	☿ ☌ ☾
12	8	♄ ☌ ☾
13	19	♄ ☌ ☉
14	20	☿ im Aphel
15	15	♂ in Erdnähe
15	17	☿ ☌ ♄, ☿ 2° 21′ S.
15	21	♀ ☌ ☾
18	13	☿ obere ☌ ☉
21	14	♂ ☍ ☉
22	11	♃ ☌ ☾
26	8	♂ ☌ ☾
26	10	♃ stationär

Präzession in Rektaszension (p_α) und Deklination (p_δ)

α \ δ	p_α +60°	+50°	+40°	+30°	+20°	+10°	0°	−10°	−20°	−30°	−40°	−50°	−60°	p_δ
h	s	s	s	s	s	s	s	s	s	s	s	s	s	″
0	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	+20.0
1	3.67	3.48	3.36	3.27	3.20	3.13	3.07	3.01	2.95	2.87	2.78	2.66	2.47	+19.4
2	4.23	3.87	3.63	3.46	3.32	3.19	3.07	2.95	2.83	2.69	2.51	2.28	1.92	+17.4
3	4.71	4.20	3.87	3.62	3.42	3.24	3.07	2.91	2.73	2.53	2.28	1.95	1.44	+14.2
4	5.08	4.45	4.04	3.74	3.49	3.28	3.07	2.87	2.65	2.41	2.10	1.69	1.07	+10.0
5	5.31	4.61	4.16	3.82	3.54	3.30	3.07	2.84	2.60	2.33	1.99	1.53	0.84	+ 5.2
6	5.39	4.67	4.19	3.84	3.56	3.31	3.07	2.84	2.59	2.30	1.95	1.48	0.76	0.0
7	5.31	4.61	4.16	3.82	3.54	3.30	3.07	2.84	2.60	2.33	1.99	1.53	0.84	− 5.2
8	5.08	4.45	4.04	3.74	3.49	3.28	3.07	2.87	2.65	2.41	2.10	1.69	1.07	−10.0
9	4.71	4.20	3.87	3.62	3.42	3.24	3.07	2.91	2.73	2.53	2.28	1.95	1.44	−14.2
10	4.23	3.87	3.63	3.46	3.32	3.19	3.07	2.95	2.83	2.69	2.51	2.28	1.92	−17.4
11	3.67	3.48	3.36	3.27	3.20	3.13	3.07	3.01	2.95	2.87	2.78	2.66	2.47	−19.4
12	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	−20.0
13	2.47	2.66	2.78	2.87	2.95	3.01	3.07	3.13	3.20	3.27	3.36	3.48	3.67	−19.4
14	1.92	2.28	2.51	2.69	2.83	2.95	3.07	3.19	3.32	3.46	3.63	3.87	4.23	−17.4
15	1.44	1.95	2.28	2.53	2.73	2.91	3.07	3.24	3.42	3.62	3.87	4.20	4.71	−14.2
16	1.07	1.69	2.10	2.41	2.65	2.87	3.07	3.28	3.49	3.74	4.04	4.45	5.08	−10.0
17	0.84	1.53	1.99	2.33	2.60	2.84	3.07	3.30	3.54	3.82	4.16	4.61	5.31	− 5.2
18	0.76	1.48	1.95	2.30	2.59	2.84	3.07	3.31	3.56	3.84	4.19	4.67	5.39	0.0
19	0.84	1.53	1.99	2.33	2.60	2.84	3.07	3.30	3.54	3.82	4.16	4.61	5.31	+ 5.2
20	1.07	1.69	2.10	2.41	2.65	2.87	3.07	3.28	3.49	3.74	4.04	4.45	5.08	+10.0
21	1.44	1.95	2.28	2.53	2.73	2.91	3.07	3.24	3.42	3.62	3.87	4.20	4.71	+14.2
22	1.92	2.28	2.51	2.69	2.83	2.95	3.07	3.19	3.32	3.46	3.63	3.87	4.23	+17.4
23	2.47	2.66	2.78	2.87	2.95	3.01	3.07	3.13	3.20	3.27	3.36	3.48	3.67	+19.4
24	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	+20.0

Präzessionswerte und Schiefe der Ekliptik

Zeit	m	n	ψ	$\log \pi$	Π	ε
	s	″	″		° ′	° ′ ″
1900.0	3.07233	20.0468	50.2564	9.67309	173 57.06	23 27 8.26
1905.0	3.07243	20.0464	50.2575	9.67305	173 59.80	23 27 5.92
1910.0	3.07252	20.0460	50.2586	9.67302	174 2.53	23 27 3.58
1915.0	3.07261	20.0456	50.2597	9.67299	174 5.27	23 27 1.23
1920.0	3.07271	20.0451	50.2608	9.67296	174 8.01	23 26 58.89
1925.0	3.07280	20.0447	50.2620	9.67293	174 10.75	23 26 56.55
1930.0	3.07289	20.0443	50.2631	9.67290	174 13.49	23 26 54.21
1935.0	3.07299	20.0438	50.2642	9.67287	174 16.23	23 26 51.87
1940.0	3.07308	20.0434	50.2653	9.67284	174 18.97	23 26 49.52
1945.0	3.07317	20.0430	50.2664	9.67281	174 21.71	23 26 47.18
1950.0	3.07327	20.0426	50.2675	9.67278	174 24.45	23 26 44.84

	Präzession in Länge p_λ										Präz. in Br. p_β		
Länge λ	Breite β 0°	+1°	+2°	+3°	+4°	+5°	+6°	+7°	+8°	+9°	Länge λ	Präzession p_β	
0°	50.262″	.254″	.245″	.237″	.229″	50.221″	.213″	.205″	.196″	.188″	0°	+0.048″	80
10	.262	.254	.246	.238	.230	.222	.214	.206	.198	.190	10	+0.128	77
20	.262	.255	.247	.240	.232	.225	.217	.210	.202	.195	20	+0.205	70
30	.262	.255	.249	.242	.235	.229	.222	.215	.208	.202	30	+0.275	63
40	50.262	.256	.251	.245	.239	50.233	.227	.221	.216	.210	40	+0.338	52
50	.262	.257	.253	.248	.243	.239	.234	.229	.225	.220	50	+0.390	40
60	.262	.259	.255	.252	.249	.245	.242	.238	.235	.231	60	+0.430	26
70	.262	.260	.258	.256	.254	.252	.250	.248	.246	.244	70	+0.456	14
80	50.262	.261	.261	.260	.259	50.259	.258	.258	.257	.257	80	+0.470	1
90	.262	.263	.263	.264	.265	.266	.267	.268	.269	.270	90	+0.469	16
100	.262	.264	.267	.269	.271	.273	.275	.277	.280	.282	100	+0.453	29
110	.262	.266	.269	.273	.277	.280	.284	.287	.291	.294	110	+0.424	42
120	50.262	.267	.271	.276	.281	50.286	.291	.296	.301	.306	120	+0.382	54
130	.262	.268	.274	.280	.286	.292	.298	.304	.310	.316	130	+0.328	63
140	.262	.269	.275	.282	.289	.296	.303	.310	.317	.324	140	+0.265	72
150	.262	.270	.277	.285	.292	.300	.307	.315	.322	.330	150	+0.193	77
160	50.262	.270	.278	.286	.294	50.302	.310	.318	.326	.334	160	+0.116	81
170	.262	.270	.279	.287	.295	.303	.311	.319	.328	.336	170	+0.035	83
180	.262	.270	.279	.287	.295	.303	.311	.319	.328	.336	180	—0.048	80
190	.262	.270	.278	.286	.294	.302	.310	.318	.326	.334	190	—0.128	77
200	50.262	.269	.277	.284	.292	50.299	.307	.314	.322	.329	200	—0.205	70
210	.262	.269	.275	.282	.289	.295	.302	.309	.316	.322	210	—0.275	63
220	.262	.268	.273	.279	.285	.291	.297	.303	.308	.314	220	—0.338	52
230	.262	.267	.271	.276	.281	.285	.290	.295	.299	.304	230	—0.390	40
240	50.262	.265	.269	.272	.275	50.279	.282	.286	.289	.293	240	—0.430	26
250	.262	.264	.266	.268	.270	.272	.274	.276	.278	.280	250	—0.456	14
260	.262	.263	.263	.264	.265	.265	.266	.266	.267	.267	260	—0.470	1
270	.262	.261	.261	.260	.259	.258	.257	.256	.255	.254	270	—0.469	16
280	50.262	.260	.257	.255	.253	50.251	.249	.247	.244	.242	280	—0.453	29
290	.262	.258	.255	.251	.247	.244	.240	.237	.233	.230	290	—0.424	42
300	.262	.257	.253	.248	.243	.238	.233	.228	.223	.218	300	—0.382	54
310	.262	.256	.250	.244	.238	.232	.226	.220	.214	.208	310	—0.328	63
320	50.262	.255	.249	.242	.235	50.228	.221	.214	.207	.200	320	—0.265	72
330	.262	.254	.247	.239	.232	.224	.217	.209	.202	.194	330	—0.193	77
340	.262	.254	.246	.238	.230	.222	.214	.206	.198	.190	340	—0.116	81
350	.262	.254	.245	.237	.229	.221	.213	.205	.196	.188	350	—0.035	83
360	50.262	.254	.245	.237	.229	50.221	.213	.205	.196	.188	360	+0.048	

Länge λ	Präzession in Länge p_λ — Breite β: 0°	−1°	−2°	−3°	−4°	−5°	−6°	−7°	−8°	−9°	Präz. in Br. p_β — Länge λ	Präzession p_β	Diff.
0°	50.262″	.270″	.279″	.287″	.295″	50.303″	.311″	.319″	.328″	.336″	0°	+0.048″	80
10	.262	.270	.278	.286	.294	.302	.310	.318	.326	.334	10	+0.128	77
20	.262	.269	.277	.284	.292	.299	.307	.314	.322	.329	20	+0.205	70
30	.262	.269	.275	.282	.289	.295	.302	.309	.316	.322	30	+0.275	63
40	50.262	.268	.273	.279	.285	50.291	.297	.303	.308	.314	40	+0.338	52
50	.262	.267	.271	.276	.281	.285	.290	.295	.299	.304	50	+0.390	40
60	.262	.265	.269	.272	.275	.279	.282	.286	.289	.293	60	+0.430	26
70	.262	.264	.266	.268	.270	.272	.274	.276	.278	.280	70	+0.456	14
80	50.262	.263	.263	.264	.265	50.265	.266	.266	.267	.267	80	+0.470	1
90	.262	.261	.261	.260	.259	.258	.257	.256	.255	.254	90	+0.469	16
100	.262	.260	.257	.255	.253	.251	.249	.247	.244	.242	100	+0.453	29
110	.262	.258	.255	.251	.247	.244	.240	.237	.233	.230	110	+0.424	42
120	50.262	.257	.253	.248	.243	50.238	.233	.228	.223	.218	120	+0.382	54
130	.262	.256	.250	.244	.238	.232	.226	.220	.214	.208	130	+0.328	63
140	.262	.255	.249	.242	.235	.228	.221	.214	.207	.200	140	+0.265	72
150	.262	.254	.247	.239	.232	.224	.217	.209	.202	.194	150	+0.193	77
160	50.262	.254	.246	.238	.230	50.222	.214	.206	.198	.190	160	+0.116	81
170	.262	.254	.245	.237	.229	.221	.213	.205	.196	.188	170	+0.035	83
180	.262	.254	.245	.237	.229	.221	.213	.205	.196	.188	180	−0.048	80
190	.262	.254	.246	.238	.230	.222	.214	.206	.198	.190	190	−0.128	77
200	50.262	.255	.247	.240	.232	50.225	.217	.210	.202	.195	200	−0.205	70
210	.262	.255	.249	.242	.235	.229	.222	.215	.208	.202	210	−0.275	63
220	.262	.256	.251	.245	.239	.233	.227	.221	.216	.210	220	−0.338	52
230	.262	.257	.253	.248	.243	.239	.234	.229	.225	.220	230	−0.390	40
240	50.262	.259	.255	.252	.249	50.245	.242	.238	.235	.231	240	−0.430	26
250	.262	.260	.258	.256	.254	.252	.250	.248	.246	.244	250	−0.456	14
260	.262	.261	.261	.260	.259	.259	.258	.258	.257	.257	260	−0.470	1
270	.262	.263	.263	.264	.265	.266	.267	.268	.269	.270	270	−0.469	16
280	50.262	.264	.267	.269	.271	50.273	.275	.277	.280	.282	280	−0.453	29
290	.262	.266	.269	.273	.277	.280	.284	.287	.291	.294	290	−0.424	42
300	.262	.267	.271	.276	.281	.286	.291	.296	.301	.306	300	−0.382	54
310	.262	.268	.274	.280	.286	.292	.298	.304	.310	.316	310	−0.328	63
320	50.262	.269	.275	.282	.289	50.296	.303	.310	.317	.324	320	−0.265	72
330	.262	.270	.277	.285	.292	.300	.307	.315	.322	.330	330	−0.193	77
340	.262	.270	.278	.286	.294	.302	.310	.318	.326	.334	340	−0.116	81
350	.262	.270	.279	.287	.295	.303	.311	.319	.328	.336	350	−0.035	83
360	50.262	.270	.279	.287	.295	50.303	.311	.319	.328	.336	360	+0.048	

Halber Tagbogen

δ \ φ	+30°	+32°	+34°	+36°	+38°	+40°	+42°	+44°	+46°	+48°	+50°
°	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m
−30	4 45.4	4 38.8	4 31.8	4 24.4	4 16.5	4 8.1	3 58.9	3 48.9	3 37.9	3 25.7	3 11.8
29	4 48.6	4 42.3	4 35.6	4 28.6	4 21.1	4 13.0	4 4.3	3 54.9	3 44.5	3 33.0	3 20.1
28	4 51.7	4 45.7	4 39.3	4 32.6	4 25.5	4 17.8	4 9.6	4 0.7	3 50.9	3 40.1	3 28.0
27	4 54.7	4 49.0	4 42.9	4 36.5	4 29.8	4 22.5	4 14.7	4 6.2	3 57.0	3 46.9	3 35.5
26	4 57.7	4 52.2	4 46.5	4 40.4	4 33.9	4 27.1	4 19.7	4 11.7	4 3.0	3 53.4	3 42.8
25	5 0.6	4 55.4	4 49.9	4 44.2	4 38.0	4 31.5	4 24.5	4 16.9	4 8.7	3 59.7	3 49.7
24	5 3.5	4 58.5	4 53.3	4 47.8	4 42.0	4 35.8	4 29.2	4 22.0	4 14.3	4 5.8	3 56.5
23	5 6.3	5 1.6	4 56.6	4 51.4	4 45.9	4 40.1	4 33.8	4 27.0	4 19.7	4 11.8	4 3.0
22	5 9.0	5 4.6	4 59.9	4 55.0	4 49.7	4 44.2	4 38.3	4 31.9	4 25.0	4 17.5	4 9.3
21	5 11.7	5 7.5	5 3.1	4 58.4	4 53.5	4 48.3	4 42.7	4 36.7	4 30.2	4 23.2	4 15.4
−20	5 14.4	5 10.4	5 6.2	5 1.8	4 57.2	4 52.3	4 47.0	4 41.3	4 35.3	4 28.7	4 21.4
19	5 17.0	5 13.3	5 9.3	5 5.2	5 0.8	4 56.2	4 51.2	4 45.9	4 40.2	4 34.0	4 27.3
18	5 19.6	5 16.1	5 12.4	5 8.5	5 4.4	5 0.0	4 55.4	4 50.4	4 45.1	4 39.3	4 33.0
17	5 22.2	5 18.9	5 15.4	5 11.7	5 7.9	5 3.8	4 59.5	4 54.9	4 49.9	4 44.5	4 38.6
16	5 24.7	5 21.6	5 18.4	5 14.9	5 11.4	5 7.5	5 3.5	4 59.2	4 54.6	4 49.5	4 44.1
15	5 27.2	5 24.3	5 21.3	5 18.1	5 14.8	5 11.2	5 7.5	5 3.5	4 59.2	4 54.5	4 49.5
14	5 29.7	5 27.0	5 24.2	5 21.3	5 18.2	5 14.9	5 11.4	5 7.7	5 3.7	4 59.5	4 54.8
13	5 32.1	5 29.7	5 27.1	5 24.4	5 21.5	5 18.5	5 15.3	5 11.9	5 8.2	5 4.3	5 0.0
12	5 34.6	5 32.3	5 29.9	5 27.4	5 24.8	5 22.1	5 19.1	5 16.0	5 12.6	5 9.0	5 5.1
11	5 37.0	5 34.9	5 32.7	5 30.5	5 28.1	5 25.6	5 22.9	5 20.1	5 17.0	5 13.7	5 10.2
−10	5 39.4	5 37.5	5 35.5	5 33.5	5 31.3	5 29.1	5 26.7	5 24.1	5 21.4	5 18.4	5 15.2
9	5 41.7	5 40.1	5 38.3	5 36.5	5 34.6	5 32.5	5 30.4	5 28.1	5 25.7	5 23.0	5 20.2
8	5 44.1	5 42.6	5 41.1	5 39.5	5 37.8	5 36.0	5 34.1	5 32.1	5 29.9	5 27.6	5 25.1
7	5 46.4	5 45.2	5 43.8	5 42.4	5 41.0	5 39.4	5 37.8	5 36.0	5 34.2	5 32.2	5 30.0
6	5 48.8	5 47.7	5 46.6	5 45.4	5 44.1	5 42.8	5 41.4	5 40.0	5 38.4	5 36.7	5 34.9
5	5 51.1	5 50.2	5 49.3	5 48.3	5 47.3	5 46.2	5 45.1	5 43.9	5 42.6	5 41.2	5 39.7
4	5 53.4	5 52.7	5 52.0	5 51.2	5 50.4	5 49.6	5 48.7	5 47.8	5 46.8	5 45.7	5 44.5
3	5 55.8	5 55.2	5 54.7	5 54.1	5 53.6	5 53.0	5 52.3	5 51.6	5 50.9	5 50.1	5 49.3
2	5 58.1	5 57.7	5 57.4	5 57.1	5 56.7	5 56.3	5 55.9	5 55.5	5 55.1	5 54.6	5 54.1
− 1	6 0.4	6 0.2	6 0.1	6 0.0	5 59.8	5 59.7	5 59.5	5 59.4	5 59.2	5 59.0	5 58.9
0	6 2.7	6 2.7	6 2.8	6 2.9	6 2.9	6 3.0	6 3.1	6 3.2	6 3.4	6 3.5	6 3.6
+ 1	6 5.0	6 5.2	6 5.5	6 5.8	6 6.1	6 6.4	6 6.7	6 7.1	6 7.5	6 7.9	6 8.4
2	6 7.3	6 7.7	6 8.2	6 8.7	6 9.2	6 9.8	6 10.3	6 11.0	6 11.6	6 12.4	6 13.2
3	6 9.6	6 10.3	6 10.9	6 11.6	6 12.3	6 13.1	6 14.0	6 14.8	6 15.8	6 16.8	6 18.0
4	6 11.9	6 12.8	6 13.6	6 14.5	6 15.5	6 16.5	6 17.6	6 18.7	6 20.0	6 21.3	6 22.8
5	6 14.3	6 15.3	6 16.4	6 17.5	6 18.6	6 19.9	6 21.2	6 22.6	6 24.2	6 25.8	6 27.6
6	6 16.6	6 17.8	6 19.1	6 20.4	6 21.8	6 23.3	6 24.9	6 26.6	6 28.4	6 30.4	6 32.5
7	6 19.0	6 20.4	6 21.8	6 23.4	6 25.0	6 26.7	6 28.6	6 30.5	6 32.6	6 34.9	6 37.4
8	6 21.3	6 22.9	6 24.6	6 26.4	6 28.2	6 30.2	6 32.3	6 34.5	6 36.9	6 39.5	6 42.3
9	6 23.7	6 25.5	6 27.4	6 29.4	6 31.4	6 33.7	6 36.0	6 38.5	6 41.2	6 44.1	6 47.3
10	6 26.1	6 28.1	6 30.2	6 32.4	6 34.7	6 37.2	6 39.8	6 42.5	6 45.6	6 48.8	6 52.3
+11	6 28.5	6 30.7	6 33.0	6 35.4	6 38.0	6 40.7	6 43.6	6 46.6	6 49.9	6 53.5	6 57.4
12	6 31.0	6 33.4	6 35.9	6 38.5	6 41.3	6 44.3	6 47.4	6 50.8	6 54.4	6 58.3	7 2.5
13	6 33.4	6 36.0	6 38.8	6 41.6	6 44.7	6 47.9	6 51.3	6 54.9	6 58.9	7 3.1	7 7.8
14	6 35.9	6 38.7	6 41.7	6 44.8	6 48.0	6 51.5	6 55.2	6 59.2	7 3.4	7 8.0	7 13.1
15	6 38.4	6 41.4	6 44.6	6 47.9	6 51.5	6 55.2	6 59.2	7 3.5	7 8.1	7 13.0	7 18.5
16	6 41.0	6 44.2	6 47.6	6 51.2	6 54.9	6 58.9	7 3.2	7 7.8	7 12.7	7 18.1	7 23.9
17	6 43.5	6 47.0	6 50.6	6 54.4	6 58.5	7 2.7	7 7.3	7 12.2	7 17.5	7 23.3	7 29.5
18	6 46.1	6 49.8	6 53.7	6 57.7	7 2.0	7 6.6	7 11.5	7 16.7	7 22.4	7 28.5	7 35.3
19	6 48.8	6 52.7	6 56.8	7 1.1	7 5.7	7 10.5	7 15.7	7 21.3	7 27.4	7 33.9	7 41.1
20	6 51.5	6 55.6	6 59.9	7 4.5	7 9.4	7 14.5	7 20.1	7 26.0	7 32.4	7 39.4	7 47.1
+21	6 54.2	6 58.6	7 3.1	7 8.0	7 13.1	7 18.6	7 24.5	7 30.8	7 37.6	7 45.1	7 53.3
22	6 56.9	7 1.6	7 6.4	7 11.5	7 17.0	7 22.8	7 29.0	7 35.7	7 42.9	7 50.9	7 59.6
23	6 59.8	7 4.6	7 9.7	7 15.1	7 20.9	7 27.0	7 33.6	7 40.7	7 48.4	7 56.8	8 6.1
24	7 2.6	7 7.7	7 13.1	7 18.8	7 24.9	7 31.3	7 38.3	7 45.8	7 54.0	8 2.9	8 12.9
25	7 5.6	7 10.9	7 16.6	7 22.6	7 29.0	7 35.8	7 43.1	7 51.1	7 59.8	8 9.3	8 19.9
26	7 8.5	7 14.2	7 20.1	7 26.4	7 33.2	7 40.4	7 48.1	7 56.5	8 5.7	8 15.8	8 27.1
27	7 11.6	7 17.5	7 23.8	7 30.4	7 37.5	7 45.0	7 53.2	8 2.1	8 11.8	8 22.6	8 34.7
28	7 14.7	7 20.9	7 27.5	7 34.4	7 41.9	7 49.9	7 58.5	8 7.9	8 18.2	8 29.7	8 42.6
29	7 17.9	7 24.4	7 31.3	7 38.6	7 46.4	7 54.8	8 3.9	8 13.9	8 24.8	8 37.1	8 51.0
+30	7 21.2	7 28.0	7 35.2	7 42.9	7 51.1	7 59.9	8 9.5	8 20.1	8 31.7	8 44.8	8 59.7

δ \ φ	+50°	+51°	+52°	+53°	+54°	+55°	+56°	+57°	+58°	+59°	+60°
°	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m
−30	3 11.8	3 4.1	2 55.8	2 46.8	2 36.9	2 25.9	2 13.5	1 59.3	1 42.4	1 21.1	0 49.7
29	3 20.1	3 12.9	3 5.3	2 57.0	2 48.0	2 38.1	2 27.1	2 14.7	2 0.4	1 43.4	1 21.9
28	3 28.0	3 21.3	3 14.2	3 6.6	2 58.3	2 49.3	2 39.4	2 28.4	2 15.9	2 1.6	1 44.5
27	3 35.5	3 29.3	3 22.7	3 15.7	3 8.0	2 59.8	2 50.8	2 40.8	2 29.8	2 17.3	2 2.9
26	3 42.8	3 37.0	3 30.8	3 24.2	3 17.2	3 9.6	3 1.4	2 52.4	2 42.4	2 31.3	2 18.8
25	3 49.7	3 44.3	3 38.6	3 32.4	3 25.9	3 18.9	3 11.3	3 3.1	2 54.1	2 44.1	2 33.0
24	3 56.5	3 51.4	3 46.0	3 40.3	3 34.3	3 27.8	3 20.8	3 13.2	3 5.0	2 56.0	2 46.0
23	4 3.0	3 58.2	3 53.2	3 47.9	3 42.3	3 36.2	3 29.8	3 22.8	3 15.3	3 7.1	2 58.0
22	4 9.3	4 4.9	4 0.2	3 55.2	3 50.0	3 44.3	3 38.4	3 31.9	3 25.0	3 17.5	3 9.3
21	4 15.4	4 11.3	4 6.9	4 2.3	3 57.4	3 52.2	3 46.6	3 40.7	3 34.3	3 27.4	3 19.9
−20	4 21.4	4 17.5	4 13.5	4 9.1	4 4.6	3 59.8	3 54.6	3 49.1	3 43.2	3 36.9	3 30.0
19	4 27.3	4 23.7	4 19.9	4 15.8	4 11.6	4 7.1	4 2.3	3 57.2	3 51.8	3 45.9	3 39.6
18	4 33.0	4 29.6	4 26.1	4 22.3	4 18.4	4 14.2	4 9.8	4 5.1	4 0.1	3 54.7	3 48.9
17	4 38.6	4 35.4	4 32.1	4 28.7	4 25.0	4 21.1	4 17.0	4 12.7	4 8.1	4 3.1	3 57.8
16	4 44.1	4 41.2	4 38.1	4 34.9	4 31.5	4 27.9	4 24.1	4 20.1	4 15.9	4 11.3	4 6.4
15	4 49.5	4 46.8	4 43.9	4 41.0	4 37.8	4 34.5	4 31.0	4 27.4	4 23.4	4 19.3	4 14.8
14	4 54.8	4 52.3	4 49.7	4 46.9	4 44.1	4 41.0	4 37.8	4 34.4	4 30.8	4 27.0	4 22.9
13	5 0.0	4 57.7	4 55.3	4 52.8	4 50.2	4 47.4	4 44.5	4 41.4	4 38.1	4 34.6	4 30.9
12	5 5.1	5 3.0	5 0.9	4 58.6	4 56.2	4 53.7	4 51.0	4 48.2	4 45.2	4 42.0	4 38.7
11	5 10.2	5 8.3	5 6.4	5 4.3	5 2.1	4 59.8	4 57.4	4 54.9	4 52.2	4 49.3	4 46.3
−10	5 15.2	5 13.5	5 11.8	5 9.9	5 7.9	5 5.9	5 3.7	5 1.5	4 59.1	4 56.5	4 53.8
9	5 20.2	5 18.7	5 17.1	5 15.5	5 13.7	5 11.9	5 10.0	5 8.0	5 5.8	5 3.6	5 1.2
8	5 25.1	5 23.8	5 22.4	5 21.0	5 19.5	5 17.9	5 16.2	5 14.4	5 12.5	5 10.6	5 8.5
7	5 30.0	5 28.9	5 27.7	5 26.4	5 25.1	5 23.8	5 22.3	5 20.8	5 19.2	5 17.5	5 15.7
6	5 34.9	5 33.9	5 32.9	5 31.8	5 30.7	5 29.6	5 28.4	5 27.1	5 25.7	5 24.3	5 22.8
5	5 39.7	5 38.9	5 38.1	5 37.2	5 36.3	5 35.4	5 34.4	5 33.4	5 32.2	5 31.1	5 29.9
4	5 44.5	5 43.9	5 43.3	5 42.6	5 41.9	5 41.2	5 40.4	5 39.6	5 38.7	5 37.8	5 36.9
3	5 49.3	5 48.9	5 48.4	5 47.9	5 47.4	5 46.9	5 46.3	5 45.8	5 45.2	5 44.5	5 43.8
2	5 54.1	5 53.8	5 53.5	5 53.3	5 52.9	5 52.6	5 52.3	5 52.0	5 51.6	5 51.2	5 50.8
− 1	5 58.9	5 58.8	5 58.7	5 58.6	5 58.4	5 58.3	5 58.2	5 58.1	5 58.0	5 57.9	5 57.7
0	6 3.6	6 3.7	6 3.8	6 3.9	6 4.0	6 4.1	6 4.2	6 4.3	6 4.4	6 4.5	6 4.7
+ 1	6 8.4	6 8.6	6 8.9	6 9.2	6 9.5	6 9.8	6 10.1	6 10.4	6 10.8	6 11.2	6 11.6
2	6 13.2	6 13.6	6 14.0	6 14.5	6 15.0	6 15.5	6 16.0	6 16.6	6 17.2	6 17.8	6 18.5
3	6 18.0	6 18.6	6 19.2	6 19.8	6 20.5	6 21.2	6 22.0	6 22.8	6 23.6	6 24.6	6 25.5
4	6 22.8	6 23.5	6 24.4	6 25.2	6 26.1	6 27.0	6 28.0	6 29.0	6 30.1	6 31.3	6 32.5
5	6 27.6	6 28.6	6 29.6	6 30.6	6 31.7	6 32.8	6 34.0	6 35.3	6 36.6	6 38.1	6 39.6
6	6 32.5	6 33.6	6 34.8	6 36.0	6 37.3	6 38.7	6 40.1	6 41.6	6 43.2	6 44.9	6 46.7
7	6 37.4	6 38.7	6 40.0	6 41.5	6 43.0	6 44.6	6 46.2	6 48.0	6 49.8	6 51.8	6 53.9
8	6 42.3	6 43.8	6 45.3	6 47.0	6 48.7	6 50.5	6 52.4	6 54.4	6 56.5	6 58.8	7 1.2
9	6 47.3	6 48.9	6 50.7	6 52.6	6 54.5	6 56.5	6 58.7	7 0.9	7 3.3	7 5.9	7 8.6
10	6 52.3	6 54.2	6 56.1	6 58.2	7 0.3	7 2.6	7 5.0	7 7.5	7 10.2	7 13.1	7 16.2
+11	6 57.4	6 59.4	7 1.6	7 3.9	7 6.3	7 8.8	7 11.4	7 14.2	7 17.2	7 20.4	7 23.8
12	7 2.5	7 4.8	7 7.2	7 9.7	7 12.3	7 15.1	7 18.0	7 21.1	7 24.3	7 27.8	7 31.5
13	7 7.8	7 10.2	7 12.8	7 15.5	7 18.4	7 21.4	7 24.6	7 28.0	7 31.6	7 35.4	7 39.5
14	7 13.1	7 15.7	7 18.6	7 21.5	7 24.6	7 27.9	7 31.4	7 35.1	7 39.0	7 43.2	7 47.7
15	7 18.5	7 21.4	7 24.4	7 27.6	7 31.0	7 34.6	7 38.3	7 42.4	7 46.6	7 51.2	7 56.1
16	7 23.9	7 27.1	7 30.4	7 33.8	7 37.5	7 41.4	7 45.4	7 49.8	7 54.4	7 59.4	8 4.7
17	7 29.5	7 32.9	7 36.5	7 40.2	7 44.1	7 48.3	7 52.7	7 57.4	8 2.5	8 7.9	8 13.7
18	7 35.3	7 38.9	7 42.7	7 46.7	7 50.9	7 55.4	8 0.2	8 5.3	8 10.8	8 16.6	8 23.0
19	7 41.1	7 45.0	7 49.1	7 53.4	7 57.9	8 2.8	8 7.9	8 13.4	8 19.4	8 25.7	8 32.6
20	7 47.1	7 51.3	7 55.6	8 0.3	8 5.2	8 10.4	8 15.9	8 21.9	8 28.3	8 35.2	8 42.8
+21	7 53.3	7 57.7	8 2.4	8 7.3	8 12.6	8 18.2	8 24.2	8 30.7	8 37.6	8 45.2	8 53.5
22	7 59.6	8 4.3	8 9.4	8 14.7	8 20.3	8 26.4	8 32.8	8 39.8	8 47.4	8 55.7	9 4.8
23	8 6.1	8 11.2	8 16.6	8 22.3	8 28.3	8 34.9	8 41.9	8 49.5	8 57.7	9 6.8	9 16.9
24	8 12.9	8 18.3	8 24.0	8 30.2	8 36.7	8 43.8	8 51.4	8 59.6	9 8.7	9 18.8	9 30.0
25	8 19.9	8 25.7	8 31.8	8 38.4	8 45.5	8 53.1	9 1.4	9 10.5	9 20.5	9 31.7	9 44.4
26	8 27.1	8 33.4	8 40.0	8 47.0	8 54.7	9 3.0	9 12.1	9 22.1	9 33.2	9 45.9	10 0.6
27	8 34.7	8 41.4	8 48.5	8 56.1	9 4.4	9 13.5	9 23.5	9 34.6	9 47.3	10 1.9	10 19.5
28	8 42.6	8 49.8	8 57.5	9 5.8	9 14.8	9 24.8	9 35.9	9 48.5	10 3.1	10 20.5	10 42.9
29	8 51.0	8 58.7	9 7.0	9 16.1	9 26.0	9 37.1	9 49.6	10 4.1	10 21.5	10 43.7	11 18.1
+30	8 59.7	9 8.1	9 17.2	9 27.1	9 38.2	9 50.7	10 5.1	10 22.3	10 44.4	11 18.5	—

Reduktionstafel

für den Auf- und Untergang der Sonne

Das Vorzeichen der Tafel gilt für den Aufgang, das entgegengesetzte Vorzeichen für den Untergang

12ʰ Welt-Zeit	Geographische Breite φ										
	+30°	+32°	+34°	+36°	+38°	+40°	+42°	+44°	+46°	+48°	+50°
1928	m	m	m	m	m	m	m	m	m	m	m
Jan. 2	−62.6	−57.9	−53.0	−47.9	−42.5	−36.6	−30.4	−23.8	−16.5	−8.7	0.0
12	−58.4	−53.9	−49.4	−44.5	−39.6	−34.1	−28.3	−22.0	−15.3	−8.0	0.0
22	−52.1	−48.0	−44.0	−39.6	−35.1	−30.2	−25.1	−19.6	−13.6	−7.1	0.0
Febr. 1	−44.2	−40.8	−37.2	−33.5	−29.7	−25.6	−21.1	−16.5	−11.5	−6.0	0.0
11	−35.3	−32.7	−29.8	−26.8	−23.8	−20.4	−16.8	−13.1	− 9.1	−4.7	0.0
21	−26.0	−24.0	−21.9	−19.7	−17.4	−15.0	−12.3	− 9.6	− 6.6	−3.4	0.0
März 2	−16.4	−15.1	−13.8	−12.4	−10.9	− 9.4	− 7.7	− 6.0	− 4.1	−2.1	0.0
12	− 6.7	− 6.2	− 5.7	− 5.1	− 4.4	− 3.8	− 3.1	− 2.5	− 1.7	−0.8	0.0
22	+ 3.0	+ 2.8	+ 2.5	+ 2.4	+ 2.1	+ 1.8	+ 1.5	+ 1.1	+ 0.8	+0.4	0.0
April 1	+12.6	+11.7	+10.6	+ 9.7	+ 8.6	+ 7.3	+ 6.1	+ 4.7	+ 3.3	+1.7	0.0
11	+22.3	+20.6	+18.8	+17.0	+15.0	+12.8	+10.6	+ 8.3	+ 5.7	+3.0	0.0
21	+31.8	+29.2	+26.8	+24.2	+21.3	+18.3	+15.2	+11.8	+ 8.2	+4.3	0.0
Mai 1	+40.9	+37.7	+34.5	+31.2	+27.6	+23.7	+19.8	+15.3	+10.7	+5.6	0.0
11	+49.4	+45.7	+41.8	+37.8	+33.5	+28.8	+24.0	+18.6	+13.0	+6.7	0.0
21	+57.0	+52.9	+48.3	+43.6	+38.8	+33.4	+27.7	+21.7	+15.1	+7.8	0.0
31	+63.1	+58.6	+53.7	+48.5	+43.0	+37.1	+30.9	+24.2	+16.9	+8.8	0.0
Juni 10	+67.2	+62.3	+57.2	+51.7	+45.9	+39.7	+33.1	+26.0	+18.0	+9.5	0.0
20	+68.8	+63.8	+58.6	+52.9	+47.0	+40.7	+33.9	+26.6	+18.5	+9.8	0.0
30	+67.8	+62.8	+57.7	+52.1	+46.3	+40.0	+33.4	+26.2	+18.2	+9.6	0.0
Juli 10	+64.3	+59.5	+54.6	+49.4	+43.9	+37.9	+31.5	+24.7	+17.1	+9.1	0.0
20	+58.6	+54.3	+49.8	+44.9	+39.9	+34.4	+28.6	+22.4	+15.5	+8.2	0.0
30	+51.4	+47.5	+43.6	+39.2	+34.9	+30.0	+24.9	+19.5	+13.5	+7.1	0.0
Aug. 9	+43.2	+39.9	+36.5	+32.8	+29.2	+25.1	+20.8	+16.3	+11.3	+5.9	0.0
19	+34.2	+31.7	+28.9	+26.0	+23.0	+19.9	+16.5	+12.8	+ 8.9	+4.6	0.0
29	+24.9	+23.0	+21.1	+19.0	+16.7	+14.5	+12.0	+ 9.3	+ 6.5	+3.3	0.0
Sept. 8	+15.5	+14.2	+13.1	+11.8	+10.4	+ 9.0	+ 7.4	+ 5.8	+ 4.0	+2.0	0.0
18	+ 6.0	+ 5.4	+ 5.0	+ 4.5	+ 4.0	+ 3.5	+ 2.8	+ 2.3	+ 1.6	+0.8	0.0
28	− 3.7	− 3.4	− 3.0	− 2.7	− 2.4	− 2.0	− 1.7	− 1.2	− 0.9	−0.5	0.0
Okt. 8	−13.3	−12.2	−11.0	−10.0	− 8.8	− 7.5	− 6.2	− 4.8	− 3.3	−1.7	0.0
18	−22.8	−21.0	−19.1	−17.2	−15.2	−13.0	−10.7	− 8.3	− 5.7	−3.0	0.0
28	−32.1	−29.5	−27.0	−24.3	−21.5	−18.4	−15.2	−11.8	− 8.2	−4.3	0.0
Nov. 7	−40.9	−37.8	−34.6	−31.2	−27.5	−23.6	−19.6	−15.2	−10.5	−5.6	0.0
17	−49.2	−45.5	−41.6	−37.5	−33.1	−28.5	−23.7	−18.4	−12.8	−6.7	0.0
27	−56.2	−51.9	−47.5	−42.9	−38.0	−32.7	−27.2	−21.2	−14.8	−7.7	0.0
Dez. 7	−61.3	−56.7	−51.8	−46.8	−41.5	−35.8	−29.8	−23.3	−16.1	−8.5	0.0
17	−64.0	−59.2	−54.1	−48.9	−43.3	−37.4	−31.1	−24.3	−16.9	−8.9	0.0
27	−63.8	−59.0	−54.1	−48.9	−43.3	−37.4	−31.1	−24.3	−16.9	−8.9	0.0
37	−60.9	−56.3	−51.6	−46.6	−41.3	−35.6	−29.6	−23.1	−16.1	−8.4	0.0

Reduktionstafel

für den Auf- und Untergang der Sonne

Das Vorzeichen der Tafel gilt für den Aufgang, das entgegengesetzte Vorzeichen für den Untergang

12h Welt-Zeit	Geographische Breite φ										
	+50°	+51°	+52°	+53°	+54°	+55°	+56°	+57°	+58°	+59°	+60°
1928	m	m	m	m	m	m	m	m	m	m	m
Jan. 2	0.0	+4.7	+ 9.6	+14.8	+20.4	+26.3	+32.7	+39.5	+46.9	+55.0	+63.7
12	0.0	+4.4	+ 8.9	+13.7	+18.7	+24.3	+30.1	+36.2	+42.9	+50.2	+58.0
22	0.0	+3.8	+ 7.9	+12.0	+16.5	+21.2	+26.2	+31.6	+37.3	+43.4	+50.1
Febr. 1	0.0	+3.2	+ 6.5	+10.0	+13.7	+17.7	+21.8	+26.2	+30.8	+35.9	+41.2
11	0.0	+2.5	+ 5.1	+ 7.9	+10.8	+13.9	+17.1	+20.5	+24.1	+28.0	+32.1
21	0.0	+1.8	+ 3.7	+ 5.7	+ 7.8	+10.0	+12.4	+14.8	+17.4	+20.2	+23.0
März 2	0.0	+1.2	+ 2.3	+ 3.6	+ 4.9	+ 6.2	+ 7.7	+ 9.2	+10.8	+12.5	+14.1
12	0.0	+0.5	+ 0.9	+ 1.4	+ 2.0	+ 2.5	+ 3.1	+ 3.7	+ 4.2	+ 5.0	+ 5.7
22	0.0	−0.2	− 0.5	− 0.7	− 0.9	− 1.3	− 1.6	− 1.8	− 2.2	− 2.5	− 2.9
April 1	0.0	−0.9	− 1.9	− 2.8	− 3.9	− 5.0	− 6.2	− 7.4	− 8.7	−10.1	−11.4
11	0.0	−1.5	− 3.3	− 5.0	− 6.9	− 8.8	−10.8	−13.0	−15.3	−17.7	−20.3
21	0.0	−2.2	− 4.7	− 7.2	− 9.9	−12.7	−15.6	−18.7	−22.1	−25.5	−29.4
Mai 1	0.0	−3.0	− 6.2	− 9.4	−12.9	−16.6	−20.4	−24.5	−28.9	−33.5	−38.6
11	0.0	−3.6	− 7.5	−11.5	−15.8	−20.3	−25.1	−30.3	−35.9	−41.7	−48.1
21	0.0	−4.2	− 8.7	−13.5	−18.5	−23.9	−29.7	−35.9	−42.6	−49.7	−57.6
31	0.0	−4.7	− 9.8	−15.3	−20.9	−27.1	−33.6	−40.8	−48.4	−56.8	−66.1
Juni 10	0.0	−5.1	−10.6	−16.4	−22.7	−29.3	−36.4	−44.2	−52.6	−62.0	−72.4
20	0.0	−5.3	−10.9	−16.9	−23.3	−30.2	−37.5	−45.6	−54.4	−64.0	−75.1
30	0.0	−5.2	−10.7	−16.6	−22.9	−29.6	−36.8	−44.7	−53.3	−62.7	−73.5
Juli 10	0.0	−4.9	−10.1	−15.5	−21.4	−27.7	−34.4	−41.6	−49.5	−58.3	−67.7
20	0.0	−4.4	− 9.1	−13.9	−19.2	−24.8	−30.7	−37.1	−44.1	−51.5	−59.7
30	0.0	−3.8	− 7.8	−12.0	−16.5	−21.3	−26.3	−31.8	−37.5	−43.8	−50.5
Aug. 9	0.0	−3.2	− 6.4	− 9.9	−13.7	−17.5	−21.7	−26.1	−30.7	−35.7	−41.0
19	0.0	−2.5	− 5.0	− 7.7	−10.7	−13.6	−16.9	−20.3	−23.9	−27.7	−31.8
29	0.0	−1.8	− 3.6	− 5.6	− 7.7	− 9.8	−12.1	−14.6	−17.1	−19.9	−22.7
Sept. 8	0.0	−1.2	− 2.2	− 3.5	− 4.8	− 6.0	− 7.5	− 9.0	−10.5	−12.3	−14.0
18	0.0	−0.5	− 0.8	− 1.4	− 1.9	− 2.4	− 2.9	− 3.5	− 4.1	− 4.8	− 5.5
28	0.0	+0.2	+ 0.6	+ 0.7	+ 1.0	+ 1.3	+ 1.6	+ 1.9	+ 2.3	+ 2.6	+ 2.9
Okt. 8	0.0	+0.9	+ 1.9	+ 2.9	+ 3.9	+ 5.0	+ 6.2	+ 7.3	+ 8.7	+10.0	+11.3
18	0.0	+1.6	+ 3.3	+ 5.0	+ 6.8	+ 8.8	+10.7	+12.8	+15.2	+17.5	+20.1
28	0.0	+2.2	+ 4.7	+ 7.1	+ 9.7	+12.6	+15.4	+18.4	+21.8	+25.1	+28.9
Nov. 7	0.0	+2.9	+ 6.1	+ 9.2	+12.7	+16.2	+20.1	+24.0	+28.4	+32.9	+38.0
17	0.0	+3.6	+ 7.3	+11.3	+15.5	+19.8	+24.6	+29.6	+35.0	+40.6	+46.9
27	0.0	+4.1	+ 8.4	+13.2	+18.0	+23.1	+28.7	+34.6	+40.9	+47.8	+55.2
Dez. 7	0.0	+4.6	+ 9.3	+14.5	+19.9	+25.7	+31.9	+38.4	+45.7	+53.4	+61.8
17	0.0	+4.8	+ 9.8	+15.2	+20.9	+27.0	+33.5	+40.5	+48.3	+56.5	+65.7
27	0.0	+4.8	+ 9.8	+15.2	+20.9	+27.0	+33.5	+40.5	+48.1	+56.3	+65.5
37	0.0	+4.6	+ 9.3	+14.4	+19.7	+25.5	+31.7	+38.2	+45.2	+53.0	+61.4

Reduktionstafel

für Auf- und Untergang des Mondes

Das Vorzeichen der Tafel gilt für den Aufgang, das entgegengesetzte Vorzeichen für den Untergang

t *)	Geographische Breite φ										
	+30°	+32°	+34°	+36°	+38°	+40°	+42°	+44°	+46°	+48°	+50°
h m	m	m	m	m	m	m	m	m	m	m	m
3 20	−94.6	−87.9	−80.9	−73.4	−65.5	−56.9	−47.6	−37.5	−26.4	−14.0	0.0
3 30	−88.5	−82.2	−75.6	−68.5	−61.0	−52.9	−44.2	−34.8	−24.4	−12.9	0.0
3 40	−82.5	−76.5	−70.3	−63.7	−56.6	−49.1	−41.0	−32.2	−22.5	−11.9	0.0
3 50	−76.6	−71.0	−65.2	−59.0	−52.4	−45.3	−37.8	−29.6	−20.7	−10.9	0.0
4 0	−70.8	−65.6	−60.1	−54.4	−48.2	−41.7	−34.7	−27.2	−18.9	− 9.9	0.0
4 10	−65.1	−60.3	−55.2	−49.9	−44.2	−38.2	−31.7	−24.8	−17.3	− 9.0	0.0
4 20	−59.5	−55.0	−50.3	−45.5	−40.3	−34.8	−28.9	−22.5	−15.7	− 8.2	0.0
4 30	−54.0	−49.9	−45.6	−41.2	−36.5	−31.4	−26.1	−20.4	−14.1	− 7.4	0.0
4 40	−48.4	−44.8	−40.9	−36.9	−32.7	−28.2	−23.3	−18.2	−12.6	− 6.6	0.0
4 50	−43.0	−39.8	−36.4	−32.7	−29.0	−24.9	−20.7	−16.1	−11.2	− 5.8	0.0
5 0	−37.7	−34.8	−31.8	−28.6	−25.3	−21.8	−18.1	−14.1	− 9.8	− 5.0	0.0
5 10	−32.4	−29.9	−27.3	−24.6	−21.7	−18.7	−15.5	−12.1	− 8.4	− 4.3	0.0
5 20	−27.1	−25.0	−22.8	−20.6	−18.2	−15.6	−12.9	−10.1	− 7.0	− 3.6	0.0
5 30	−21.9	−20.2	−18.4	−16.6	−14.7	−12.6	−10.4	− 8.1	− 5.6	− 2.9	0.0
5 40	−16.7	−15.4	−14.0	−12.6	−11.2	− 9.6	− 7.9	− 6.2	− 4.3	− 2.2	0.0
5 50	−11.5	−10.6	− 9.7	− 8.7	− 7.7	− 6.6	− 5.5	− 4.2	− 2.9	− 1.5	0.0
6 0	− 6.4	− 5.8	− 5.4	− 4.8	− 4.2	− 3.6	− 3.0	− 2.3	− 1.6	− 0.9	0.0
6 10	− 1.2	− 1.1	− 1.0	− 0.9	− 0.8	− 0.7	− 0.6	− 0.4	− 0.3	− 0.2	0.0
6 20	+ 4.0	+ 3.7	+ 3.4	+ 3.0	+ 2.6	+ 2.3	+ 1.9	+ 1.5	+ 1.0	+ 0.5	0.0
6 30	+ 9.1	+ 8.4	+ 7.7	+ 6.9	+ 6.1	+ 5.3	+ 4.4	+ 3.4	+ 2.4	+ 1.2	0.0
6 40	+14.3	+13.2	+12.0	+10.8	+ 9.6	+ 8.2	+ 6.8	+ 5.3	+ 3.7	+ 1.9	0.0
6 50	+19.5	+18.0	+16.4	+14.8	+13.1	+11.2	+ 9.3	+ 7.2	+ 5.0	+ 2.6	0.0
7 0	+24.7	+22.8	+20.9	+18.8	+16.6	+14.2	+11.8	+ 9.1	+ 6.3	+ 3.3	0.0
7 10	+30.0	+27.7	+25.3	+22.8	+20.1	+17.3	+14.3	+11.1	+ 7.7	+ 4.0	0.0
7 20	+35.3	+32.6	+29.7	+26.8	+23.7	+20.3	+16.8	+13.1	+ 9.1	+ 4.7	0.0
7 30	+40.6	+37.5	+34.3	+30.9	+27.3	+23.4	+19.4	+15.1	+10.5	+ 5.5	0.0
7 40	+45.9	+42.5	+38.9	+35.0	+31.0	+26.6	+22.1	+17.2	+12.0	+ 6.2	0.0
7 50	+51.4	+47.6	+43.5	+39.2	+34.7	+29.9	+24.8	+19.3	+13.5	+ 7.0	0.0
8 0	+56.9	+52.7	+48.2	+43.5	+38.5	+33.2	+27.6	+21.5	+15.0	+ 7.8	0.0
8 10	+62.5	+57.9	+53.0	+47.9	+42.4	+36.6	+30.4	+23.8	+16.6	+ 8.6	0.0
8 20	+68.2	+63.2	+57.9	+52.3	+46.4	+40.1	+33.3	+26.1	+18.2	+ 9.5	0.0
8 30	+74.0	+68.5	+62.9	+56.9	+50.5	+43.7	+36.4	+28.5	+19.8	+10.5	0.0
8 40	+79.8	+74.0	+67.9	+61.5	+54.7	+47.3	+39.5	+30.9	+21.6	+11.4	0.0
8 50	+85.8	+79.6	+73.1	+66.3	+59.0	+51.1	+42.7	+33.5	+23.5	+12.5	0.0
9 0	+91.9	+85.3	+78.4	+71.2	+63.4	+55.0	+46.0	+36.3	+25.5	+13.5	0.0

*) *t* ist beim Aufgange der Zeitunterschied zwischen Aufgang und Kulmination, beim Untergange der Zeitunterschied zwischen Kulmination und Untergang

Reduktionstafel

für Auf- und Untergang des Mondes

Das Vorzeichen der Tafel gilt für den Aufgang, das entgegengesetzte Vorzeichen für den Untergang

t*)	Geographische Breite φ										
	+50°	+51°	+52°	+53°	+54°	+55°	+56°	+57°	+58°	+59°	+60°
h m	m	m	m	m	m	m	m	m	m	m	m
3 20	0.0	+7.7	+16.1	+25.2	+35.1	+46.1	+58.4	+72.5	+89.1	+109.7	+138.1
3 30	0.0	+7.1	+14.7	+22.9	+31.8	+41.6	+52.4	+64.5	+78.3	+ 94.5	+114.3
3 40	0.0	+6.5	+13.4	+20.9	+28.9	+37.6	+47.2	+57.7	+69.4	+ 82.7	+ 98.2
3 50	0.0	+5.9	+12.2	+19.0	+26.2	+34.0	+42.5	+51.7	+61.9	+ 73.3	+ 86.1
4 0	0.0	+5.4	+11.1	+17.2	+23.7	+30.8	+38.2	+46.3	+55.2	+ 65.0	+ 76.0
4 10	0.0	+4.9	+10.1	+15.6	+21.4	+27.7	+34.4	+41.6	+49.4	+ 57.9	+ 67.3
4 20	0.0	+4.5	+ 9.1	+14.0	+19.2	+24.8	+30.8	+37.2	+44.0	+ 51.5	+ 59.6
4 30	0.0	+4.0	+ 8.1	+12.5	+17.2	+22.2	+27.5	+33.1	+39.1	+ 45.7	+ 52.7
4 40	0.0	+3.5	+ 7.3	+11.2	+15.3	+19.7	+24.3	+29.3	+34.5	+ 40.2	+ 46.3
4 50	0.0	+3.1	+ 6.4	+ 9.8	+13.4	+17.3	+21.4	+25.6	+30.2	+ 35.1	+ 40.4
5 0	0.0	+2.7	+ 5.5	+ 8.5	+11.6	+15.0	+18.5	+22.2	+26.1	+ 30.3	+ 34.8
5 10	0.0	+2.3	+ 4.7	+ 7.2	+10.0	+12.8	+15.7	+18.9	+22.2	+ 25.7	+ 29.5
5 20	0.0	+2.0	+ 3.9	+ 6.0	+ 8.3	+10.7	+13.1	+15.7	+18.4	+ 21.3	+ 24.4
5 30	0.0	+1.6	+ 3.2	+ 4.8	+ 6.7	+ 8.5	+10.5	+12.6	+14.8	+ 17.1	+ 19.6
5 40	0.0	+1.2	+ 2.4	+ 3.7	+ 5.0	+ 6.5	+ 7.9	+ 9.5	+11.2	+ 13.0	+ 14.8
5 50	0.0	+0.8	+ 1.7	+ 2.6	+ 3.4	+ 4.4	+ 5.5	+ 6.5	+ 7.7	+ 8.9	+ 10.2
6 0	0.0	+0.5	+ 0.9	+ 1.4	+ 1.9	+ 2.4	+ 3.0	+ 3.6	+ 4.2	+ 4.9	+ 5.6
6 10	0.0	+0.1	+ 0.2	+ 0.2	+ 0.4	+ 0.5	+ 0.6	+ 0.7	+ 0.8	+ 0.9	+ 1.1
6 20	0.0	−0.3	− 0.6	− 0.9	− 1.2	− 1.5	− 1.9	− 2.3	− 2.6	− 3.0	− 3.5
6 30	0.0	−0.6	− 1.3	− 2.0	− 2.7	− 3.5	− 4.3	− 5.2	− 6.0	− 7.0	− 8.0
6 40	0.0	−1.0	− 2.1	− 3.1	− 4.3	− 5.5	− 6.8	− 8.1	− 9.5	− 11.0	− 12.6
6 50	0.0	−1.3	− 2.9	− 4.3	− 5.9	− 7.5	− 9.4	−11.2	−13.1	− 15.1	− 17.3
7 0	0.0	−1.7	− 3.6	− 5.5	− 7.5	− 9.6	−11.9	−14.3	−16.7	− 19.3	− 22.2
7 10	0.0	−2.1	− 4.4	− 6.7	− 9.2	−11.7	−14.5	−17.4	−20.4	− 23.7	− 27.1
7 20	0.0	−2.5	− 5.1	− 7.9	−10.8	−13.8	−17.1	−20.6	−24.2	− 28.1	− 32.3
7 30	0.0	−2.9	− 6.0	− 9.2	−12.6	−16.1	−19.9	−24.0	−28.2	− 32.8	− 37.7
7 40	0.0	−3.3	− 6.9	−10.6	−14.4	−18.5	−22.9	−27.5	−32.4	− 37.8	− 43.4
7 50	0.0	−3.8	− 7.7	−12.0	−16.3	−21.0	−25.9	−31.3	−36.9	− 43.0	− 49.6
8 0	0.0	−4.2	− 8.7	−13.4	−18.3	−23.7	−29.2	−35.3	−41.7	− 48.7	− 56.3
8 10	0.0	−4.7	− 9.6	−14.9	−20.4	−26.4	−32.6	−39.5	−46.8	− 54.8	− 63.5
8 20	0.0	−5.2	−10.6	−16.4	−22.6	−29.2	−36.3	−44.0	−52.3	− 61.5	− 71.6
8 30	0.0	−5.7	−11.7	−18.1	−25.0	−32.4	−40.4	−49.1	−58.6	− 69.1	− 81.0
8 40	0.0	−6.3	−12.9	−19.9	−27.6	−35.8	−44.9	−54.9	−65.7	− 77.9	− 92.1
8 50	0.0	−6.8	−14.1	−21.9	−30.5	−39.7	−49.8	−61.2	−73.8	− 88.5	−106.1
9 0	0.0	−7.4	−15.4	−24.1	−33.7	−44.1	−55.3	−68.4	−83.6	−101.4	−125.9

*) t ist beim Aufgange der Zeitunterschied zwischen Aufgang und Kulmination, beim Untergange der Zeitunterschied zwischen Kulmination und Untergang

Julianische Periode

I. Anzahl der am 0. Januar, 12^h Welt-Zeit, seit Anfang der Periode verflossenen Tage

Jahr n. Chr.	0	100	200	300	400	500	600	700	800	900
	17	17	17	18	18	19	19	19	20	20
0	21057	57582	94107	30632	67157	03682	40207	76732	13257	49782
4	22518	59043	95568	32093	68618	05143	41668	78193	14718	51243
8	23979	60504	97029	33554	70079	06604	43129	79654	16179	52704
12	25440	61965	98490	35015	71540	08065	44590	81115	17640	54165
16	26901	63426	99951	36476	73001	09526	46051	82576	19101	55626
20	28362	64887	01412	37937	74462	10987	47512	84037	20562	57087
24	29823	66348	02873	39398	75923	12448	48973	85498	22023	58548
28	31284	67809	04334	40859	77384	13909	50434	86959	23484	60009
32	32745	69270	05795	42320	78845	15370	51895	88420	24945	61470
36	34206	70731	07256	43781	80306	16831	53356	89881	26406	62931
40	35667	72192	08717	45242	81767	18292	54817	91342	27867	64392
44	37128	73653	10178	46703	83228	19753	56278	92803	29328	65853
48	38589	75114	11639	48164	84689	21214	57739	94264	30789	67314
52	40050	76575	13100	49625	86150	22675	59200	95725	32250	68775
56	41511	78036	14561	51086	87611	24136	60661	97186	33711	70236
60	42972	79497	16022	52547	89072	25597	62122	98647	35172	71697
64	44433	80958	17483	54008	90533	27058	63583	00108	36633	73158
68	45894	82419	18944	55469	91994	28519	65044	01569	38094	74619
72	47355	83880	20405	56930	93455	29980	66505	03030	39555	76080
76	48816	85341	21866	58391	94916	31441	67966	04491	41016	77541
80	50277	86802	23327	59852	96377	32902	69427	05952	42477	79002
84	51738	88263	24788	61313	97838	34363	70888	07413	43938	80463
88	53199	89724	26249	62774	99299	35824	72349	08874	45399	81924
92	54660	91185	27710	64235	00760	37285	73810	10335	46860	83385
96	56121	92646	29171	65696	02221	38746	75271	11796	48321	84846
100	57582	94107	30632	67157	03682	40207	76732	13257	49782	86307
	17	17	18	18	19	19	19	20	20	20

Ia. Anzahl der am 0. jedes Monats, 12^h Welt-Zeit, seit Beginn der Schaltperiode verflossenen Tage

Jahr	Jan. 0	Febr. 0	März 0	April 0	Mai 0	Juni 0	Juli 0	Aug. 0	Sept. 0	Okt. 0	Nov. 0	Dez. 0
0	0	31	60	91	121	152	182	213	244	274	305	335
1	366	397	425	456	486	517	547	578	609	639	670	700
2	731	762	790	821	851	882	912	943	974	1004	1035	1065
3	1096	1127	1155	1186	1216	1247	1277	1308	1339	1369	1400	1430

Julianische Periode

I. Anzahl der am 0. Januar, 12h Welt-Zeit, seit Anfang der Periode verflossenen Tage

Jahr n. Chr.	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900
	20	21	21	21	22	22	23	23	23	24
0	86307	22832	59357	95882	32407	68932	05447	41971[1]	78495[1]	15019[1]
4	87768	24293	60818	97343	33868	70393	06908	43432	79956	16480
8	89229	25754	62279	98804	35329	71854	08369	44893	81417	17941
12	90690	27215	63740	00265	36790	73315	09830	46354	82878	19402
16	92151	28676	65201	01726	38251	74776	11291	47815	84339	20863
20	93612	30137	66662	03187	39712	76237	12752	49276	85800	22324
24	95073	31598	68123	04648	41173	77698	14213	50737	87261	23785
28	96534	33059	69584	06109	42634	79159	15674	52198	88722	25246
32	97995	34520	71045	07570	44095	80620	17135	53659	90183	26707
36	99456	35981	72506	09031	45556	82081	18596	55120	91644	28168
40	00917	37442	73967	10492	47017	83542	20057	56581	93105	29629
44	02378	38903	75428	11953	48478	85003	21518	58042	94566	31090
48	03839	40364	76889	13414	49939	86464	22979	59503	96027	32551
52	05300	41825	78350	14875	51400	87925	24440	60964	97488	34012
56	06761	43286	79811	16336	52861	89386	25901	62425	98949	35473
60	08222	44747	81272	17797	54322	90847	27362	63886	00410	36934
64	09683	46208	82733	19258	55783	92308	28823	65347	01871	38395
68	11144	47669	84194	20719	57244	93769	30284	66808	03332	39856
72	12605	49130	85655	22180	58705	95230	31745	68269	04793	41317
76	14066	50591	87116	23641	60166	96691	33206	69730	06254	42778
80	15527	52052	88577	25102	61627	98152	34667	71191	07715	44239
84	16988	53513	90038	26563	63088	99603	36128	72652	09176	45700
88	18449	54974	91499	28024	64549	01064	37589	74113	10637	47161
92	19910	56435	92960	29485	66010	02525	39050	75574	12098	48622
96	21371	57896	94421	30946	67471	03986	40511	77035	13559	50083
100	22832	59357	95882	32407	68932	05447	41971[1]	78495[1]	15019[1]	51544
	21	21	21	22	22	23	23	23	24	24

[1]) Die Zahlen geben die am −1. Jan. seit Anfang der Periode verflossenen Tage

Ia. Anzahl der am 0. jedes Monats, 12h Welt-Zeit, seit Beginn der Schaltperiode verflossenen Tage

Jahr	Jan. 0	Febr. 0	März 0	April 0	Mai 0	Juni 0	Juli 0	Aug. 0	Sept. 0	Okt. 0	Nov. 0	Dez. 0
0	0[2])	31[2])	60	91	121	152	182	213	244	274	305	335
1	366	397	425	456	486	517	547	578	609	639	670	700
2	731	762	790	821	851	882	912	943	974	1004	1035	1065
3	1096	1127	1155	1186	1216	1247	1277	1308	1339	1369	1400	1430

Von 1582 Okt. 15 bis 1583 Dez. 31 sind die Zahlen der Tafel Ia um 10 zu verkleinern

[2]) In den Jahren 1700, 1800, 1900 um 1 zu vergrößern

Julianische Periode

II. Anzahl der seit Beginn der Periode am o. jedes Monats, 12^h Welt-Zeit, verflossenen Tage

Jahr n. Chr.	Januar o		Febr. o	März o	April o	Mai o	Juni o	Juli o	Aug. o	Sept. o	Okt. o	Nov. o	Dez. o
1860	2400	410	441	470	501	531	562	592	623	654	684	715	745
1861		776	807	835	866	896	927	957	988	*019	*049	*080	*110
1862	2401	141	172	200	231	261	292	322	353	384	414	445	475
1863		506	537	565	596	626	657	687	718	749	779	810	840
1864		871	902	931	962	992	*023	*053	*084	*115	*145	*176	*206
1865	2402	237	268	296	327	357	388	418	449	480	510	541	571
1866		602	633	661	692	722	753	783	814	845	875	906	936
1867		967	998	*026	*057	*087	*118	*148	*179	*210	*240	*271	*301
1868	2403	332	363	392	423	453	484	514	545	576	606	637	667
1869		698	729	757	788	818	849	879	910	941	971	*002	*032
1870	2404	063	094	122	153	183	214	244	275	306	336	367	397
1871		428	459	487	518	548	579	609	640	671	701	732	762
1872		793	824	853	884	914	945	975	*006	*037	*067	*098	*128
1873	2405	159	190	218	249	279	310	340	371	402	432	463	493
1874		524	555	583	614	644	675	705	736	767	797	828	858
1875		889	920	948	979	*009	*040	*070	*101	*132	*162	*193	*223
1876	2406	254	285	314	345	375	406	436	467	498	528	559	589
1877		620	651	679	710	740	771	801	832	863	893	924	954
1878		985	*016	*044	*075	*105	*136	*166	*197	*228	*258	*289	*319
1879	2407	350	381	409	440	470	501	531	562	593	623	654	684
1880		715	746	775	806	836	867	897	928	959	989	*020	*050
1881	2408	081	112	140	171	201	232	262	293	324	354	385	415
1882		446	477	505	536	566	597	627	658	689	719	750	780
1883		811	842	870	901	931	962	992	*023	*054	*084	*115	*145
1884	2409	176	207	236	267	297	328	358	389	420	450	481	511
1885		542	573	601	632	662	693	723	754	785	815	846	876
1886		907	938	966	997	*027	*058	*088	*119	*150	*180	*211	*241
1887	2410	272	303	331	362	392	423	453	484	515	545	576	606
1888		637	668	697	728	758	789	819	850	881	911	942	972
1889	2411	003	034	062	093	123	154	184	215	246	276	307	337
1890		368	399	427	458	488	519	549	580	611	641	672	702
1891		733	764	792	823	853	884	914	945	976	*006	*037	*067
1892	2412	098	129	158	189	219	250	280	311	342	372	403	433
1893		464	495	523	554	584	615	645	676	707	737	768	798
1894		829	860	888	919	949	980	*010	*041	*072	*102	*133	*163
1895	2413	194	225	253	284	314	345	375	406	437	467	498	528
1896		559	590	619	650	680	711	741	772	803	833	864	894
1897		925	956	984	*015	*045	*076	*106	*137	*168	*198	*229	*259
1898	2414	290	321	349	380	410	441	471	502	533	563	594	624
1899		655	686	714	745	775	806	836	867	898	928	959	989

II. Anzahl der seit Beginn der Periode am 0. jedes Monats, 12h Welt-Zeit, verflossenen Tage

Jahr n. Chr.	Januar 0		Febr. 0	März 0	April 0	Mai 0	Juni 0	Juli 0	Aug. 0	Sept. 0	Okt. 0	Nov. 0	Dez. 0
1900	2415	020	051	079	110	140	171	201	232	263	293	324	354
1901		385	416	444	475	505	536	566	597	628	658	689	719
1902		750	781	809	840	870	901	931	962	993	*023	*054	*084
1903	2416	115	146	174	205	235	266	296	327	358	388	419	449
1904		480	511	540	571	601	632	662	693	724	754	785	815
1905		846	877	905	936	966	997	*027	*058	*089	*119	*150	*180
1906	2417	211	242	270	301	331	362	392	423	454	484	515	545
1907		576	607	635	666	696	727	757	788	819	849	880	910
1908		941	972	*001	*032	*062	*093	*123	*154	*185	*215	*246	*276
1909	2418	307	338	366	397	427	458	488	519	550	580	611	641
1910		672	703	731	762	792	823	853	884	915	945	976	*006
1911	2419	037	068	096	127	157	188	218	249	280	310	341	371
1912		402	433	462	493	523	554	584	615	646	676	707	737
1913		768	799	827	858	888	919	949	980	*011	*041	*072	*102
1914	2420	133	164	192	223	253	284	314	345	376	406	437	467
1915		498	529	557	588	618	649	679	710	741	771	802	832
1916		863	894	923	954	984	*015	*045	*076	*107	*137	*168	*198
1917	2421	229	260	288	319	349	380	410	441	472	502	533	563
1918		594	625	653	684	714	745	775	806	837	867	898	928
1919		959	990	*018	*049	*079	*110	*140	*171	*202	*232	*263	*293
1920	2422	324	355	384	415	445	476	506	537	568	598	629	659
1921		690	721	749	780	810	841	871	902	933	963	994	*024
1922	2423	055	086	114	145	175	206	236	267	298	328	359	389
1923		420	451	479	510	540	571	601	632	663	693	724	754
1924		785	816	845	876	906	937	967	998	*029	*059	*090	*120
1925	2424	151	182	210	241	271	302	332	363	394	424	455	485
1926		516	547	575	606	636	667	697	728	759	789	820	850
1927		881	912	940	971	*001	*032	*062	*093	*124	*154	*185	*215
1928	2425	246	277	306	337	367	398	428	459	490	520	551	581
1929		612	643	671	702	732	763	793	824	855	885	916	946
1930		977	*008	*036	*067	*097	*128	*158	*189	*220	*250	*281	*311
1931	2426	342	373	401	432	462	493	523	554	585	615	646	676
1932		707	738	767	798	828	859	889	920	951	981	*012	*042
1933	2427	073	104	132	163	193	224	254	285	316	346	377	407
1934		438	469	497	528	558	589	619	650	681	711	742	772
1935		803	834	862	893	923	954	984	*015	*046	*076	*107	*137
1936	2428	168	199	228	259	289	320	350	381	412	442	473	503
1937		534	565	593	624	654	685	715	746	777	807	838	868
1938		899	930	958	989	*019	*050	*080	*111	*142	*172	*203	*233
1939	2429	264	295	323	354	384	415	445	476	507	537	568	598

Red.	0m	1m	2m	3m	Red.		Red.	
s	h m s	h m s	h m s	h m s	s	m s	s	m s
0	0 0 0	6 5 15	12 10 29	18 15 44	0.00	0 0	0.50	3 3
1	0 6 5	6 11 20	12 16 34	18 21 49	0.01	0 4	0.51	3 6
2	0 12 10	6 17 25	12 22 40	18 27 54	0.02	0 7	0.52	3 10
3	0 18 16	6 23 30	12 28 45	18 33 59	0.03	0 11	0.53	3 14
4	0 24 21	6 29 36	12 34 50	18 40 5	0.04	0 15	0.54	3 17
5	0 30 26	6 35 41	12 40 55	18 46 10	0.05	0 18	0.55	3 21
6	0 36 31	6 41 46	12 47 1	18 52 15	0.06	0 22	0.56	3 25
7	0 42 37	6 47 51	12 53 6	18 58 20	0.07	0 26	0.57	3 28
8	0 48 42	6 53 56	12 59 11	19 4 26	0.08	0 29	0.58	3 32
9	0 54 47	7 0 2	13 5 16	19 10 31	0.09	0 33	0.59	3 35
10	1 0 52	7 6 7	13 11 21	19 16 36	0.10	0 37	0.60	3 39
11	1 6 58	7 12 12	13 17 27	19 22 41	0.11	0 40	0.61	3 43
12	1 13 3	7 18 17	13 23 32	19 28 47	0.12	0 44	0.62	3 46
13	1 19 8	7 24 23	13 29 37	19 34 52	0.13	0 47	0.63	3 50
14	1 25 13	7 30 28	13 35 42	19 40 57	0.14	0 51	0.64	3 54
15	1 31 19	7 36 33	13 41 48	19 47 2	0.15	0 55	0.65	3 57
16	1 37 24	7 42 38	13 47 53	19 53 7	0.16	0 58	0.66	4 1
17	1 43 29	7 48 44	13 53 58	19 59 13	0.17	1 2	0.67	4 5
18	1 49 34	7 54 49	14 0 3	20 5 18	0.18	1 6	0.68	4 8
19	1 55 40	8 0 54	14 6 9	20 11 23	0.19	1 9	0.69	4 12
20	2 1 45	8 6 59	14 12 14	20 17 28	0.20	1 13	0.70	4 16
21	2 7 50	8 13 5	14 18 19	20 23 34	0.21	1 17	0.71	4 19
22	2 13 55	8 19 10	14 24 24	20 29 39	0.22	1 20	0.72	4 23
23	2 20 1	8 25 15	14 30 30	20 35 44	0.23	1 24	0.73	4 27
24	2 26 6	8 31 20	14 36 35	20 41 49	0.24	1 28	0.74	4 30
25	2 32 11	8 37 26	14 42 40	20 47 55	0.25	1 31	0.75	4 34
26	2 38 16	8 43 31	14 48 45	20 54 0	0.26	1 35	0.76	4 38
27	2 44 22	8 49 36	14 54 51	21 0 5	0.27	1 39	0.77	4 41
28	2 50 27	8 55 41	15 0 56	21 6 10	0.28	1 42	0.78	4 45
29	2 56 32	9 1 47	15 7 1	21 12 16	0.29	1 46	0.79	4 49
30	3 2 37	9 7 52	15 13 6	21 18 21	0.30	1 50	0.80	4 52
31	3 8 43	9 13 57	15 19 12	21 24 26	0.31	1 53	0.81	4 56
32	3 14 48	9 20 2	15 25 17	21 30 31	0.32	1 57	0.82	4 59
33	3 20 53	9 26 8	15 31 22	21 36 37	0.33	2 1	0.83	5 3
34	3 26 58	9 32 13	15 37 27	21 42 42	0.34	2 4	0.84	5 7
35	3 33 3	9 38 18	15 43 33	21 48 47	0.35	2 8	0.85	5 10
36	3 39 9	9 44 23	15 49 38	21 54 52	0.36	2 11	0.86	5 14
37	3 45 14	9 50 28	15 55 43	22 0 58	0.37	2 15	0.87	5 18
38	3 51 19	9 56 34	16 1 48	22 7 3	0.38	2 19	0.88	5 21
39	3 57 24	10 2 39	16 7 54	22 13 8	0.39	2 22	0.89	5 25
40	4 3 30	10 8 44	16 13 59	22 19 13	0.40	2 26	0.90	5 29
41	4 9 35	10 14 49	16 20 4	22 25 19	0.41	2 30	0.91	5 32
42	4 15 40	10 20 55	16 26 9	22 31 24	0.42	2 33	0.92	5 36
43	4 21 45	10 27 0	16 32 14	22 37 29	0.43	2 37	0.93	5 40
44	4 27 51	10 33 5	16 38 20	22 43 34	0.44	2 41	0.94	5 43
45	4 33 56	10 39 10	16 44 25	22 49 39	0.45	2 44	0.95	5 47
46	4 40 1	10 45 16	16 50 30	22 55 45	0.46	2 48	0.96	5 51
47	4 46 6	10 51 21	16 56 35	23 1 50	0.47	2 52	0.97	5 54
48	4 52 12	10 57 26	17 2 41	23 7 55	0.48	2 55	0.98	5 58
49	4 58 17	11 3 31	17 8 46	23 14 0	0.49	2 59	0.99	6 2
50	5 4 22	11 9 37	17 14 51	23 20 6	0.50	3 3	1.00	6 5
51	5 10 27	11 15 42	17 20 56	23 26 11				
52	5 16 33	11 21 47	17 27 2	23 32 16				
53	5 22 38	11 27 52	17 33 7	23 38 21				
54	5 28 43	11 33 58	17 39 12	23 44 27				
55	5 34 48	11 40 3	17 45 17	23 50 32				
56	5 40 54	11 46 8	17 51 23	23 56 37				
57	5 46 59	11 52 13	17 57 28	24 2 42				
58	5 53 4	11 58 19	18 3 33	24 8 48				
59	5 59 9	12 4 24	18 9 38	24 14 53				

Die Reduktion ist zur mittl. Zeit zu addieren

Red.	0m	1m	2m	3m	Red.		Red.	
s	h m s	h m s	h m s	h m s	s	m s	s	m s
0	0 0 0	6 6 15	12 12 29	18 18 44	0.00	0 0	0.50	3 3
1	0 6 6	6 12 21	12 18 35	18 24 50	0.01	0 4	0.51	3 7
2	0 12 12	6 18 27	12 24 42	18 30 56	0.02	0 7	0.52	3 10
3	0 18 19	6 24 33	12 30 48	18 3 2	0.03	0 11	0.53	3 14
4	0 24 25	6 30 40	12 36 54	18 43 9	0.04	0 15	0.54	3 18
5	0 30 31	6 36 46	12 43 0	18 49 15	0.05	0 18	0.55	3 21
6	0 36 37	6 42 52	12 49 7	18 55 21	0.06	0 22	0.56	3 25
7	0 42 44	6 48 58	12 55 13	19 1 27	0.07	0 26	0.57	3 29
8	0 48 50	6 55 4	13 1 19	19 7 34	0.08	0 29	0.58	3 32
9	0 54 56	7 1 11	13 7 25	19 13 40	0.09	0 33	0.59	3 36
10	1 1 2	7 7 17	13 13 31	19 19 46	0.10	0 37	0.60	3 40
11	1 7 9	7 13 23	13 19 38	19 25 52	0.11	0 40	0.61	3 43
12	1 13 15	7 19 29	13 25 44	19 31 59	0.12	0 44	0.62	3 47
13	1 19 21	7 25 36	13 31 50	19 38 5	0.13	0 48	0.63	3 51
14	1 25 27	7 31 42	13 37 56	19 44 11	0.14	0 51	0.64	3 54
15	1 31 34	7 37 48	13 44 3	19 50 17	0.15	0 55	0.65	3 58
16	1 37 40	7 43 54	13 50 9	19 56 23	0.16	0 59	0.66	4 2
17	1 43 46	7 50 1	13 56 15	20 2 30	0.17	1 2	0.67	4 5
18	1 49 52	7 56 7	14 2 21	20 8 36	0.18	1 6	0.68	4 9
19	1 55 59	8 2 13	14 8 28	20 14 42	0.19	1 10	0.69	4 13
20	2 2 5	8 8 19	14 14 34	20 20 48	0.20	1 13	0.70	4 16
21	2 8 11	8 14 26	14 20 40	20 26 55	0.21	1 17	0.71	4 20
22	2 14 17	8 20 32	14 26 46	20 33 1	0.22	1 21	0.72	4 24
23	2 20 24	8 26 38	14 32 53	20 39 7	0.23	1 24	0.73	4 27
24	2 26 30	8 32 44	14 38 59	20 45 13	0.24	1 28	0.74	4 31
25	2 32 36	8 38 51	14 45 5	20 51 20	0.25	1 32	0.75	4 35
26	2 38 42	8 44 57	14 51 11	20 57 26	0.26	1 35	0.76	4 38
27	2 44 49	8 51 3	14 57 18	21 3 32	0.27	1 39	0.77	4 42
28	2 50 55	8 57 9	15 3 24	21 9 38	0.28	1 43	0.78	4 46
29	2 57 1	9 3 16	15 9 30	21 15 45	0.29	1 46	0.79	4 49
30	3 3 7	9 9 22	15 15 36	21 21 51	0.30	1 50	0.80	4 53
31	3 9 14	9 15 28	15 21 43	21 27 57	0.31	1 54	0.81	4 57
32	3 15 20	9 21 34	15 27 49	21 34 3	0.32	1 57	0.82	5 0
33	3 21 26	9 27 41	15 33 55	21 40 10	0.33	2 1	0.83	5 4
34	3 27 32	9 33 47	15 40 1	21 46 16	0.34	2 5	0.84	5 8
35	3 33 38	9 39 53	15 46 8	21 52 22	0.35	2 8	0.85	5 11
36	3 39 45	9 45 59	15 52 14	21 58 28	0.36	2 12	0.86	5 15
37	3 45 51	9 52 5	15 58 20	22 4 35	0.37	2 16	0.87	5 19
38	3 51 57	9 58 12	16 4 26	22 10 41	0.38	2 19	0.88	5 22
39	3 58 3	10 4 18	16 10 33	22 16 47	0.39	2 23	0.89	5 26
40	4 4 10	10 10 24	16 16 39	22 22 53	0.40	2 26	0.90	5 30
41	4 10 16	10 16 30	16 22 45	22 29 0	0.41	2 30	0.91	5 33
42	4 16 22	10 22 37	16 28 51	22 35 6	0.42	2 34	0.92	5 37
43	4 22 28	10 28 43	16 34 57	22 41 12	0.43	2 37	0.93	5 41
44	4 28 35	10 34 49	16 41 4	22 47 18	0.44	2 41	0.94	5 44
45	4 34 41	10 40 55	16 47 10	22 53 24	0.45	2 45	0.95	5 48
46	4 40 47	10 47 2	16 53 16	22 59 31	0.46	2 48	0.96	5 52
47	4 46 53	10 53 8	16 59 22	23 5 37	0.47	2 52	0.97	5 55
48	4 53 0	10 59 14	17 5 29	23 11 43	0.48	2 56	0.98	5 59
49	4 59 6	11 5 20	17 11 35	23 17 49	0.49	2 59	0.99	6 3
50	5 5 12	11 11 27	17 17 41	23 23 56	0.50	3 3	1.00	6 6
51	5 11 18	11 17 33	17 23 47	23 30 2				
52	5 17 25	11 23 39	17 29 54	23 36 8				
53	5 23 31	11 29 45	17 36 0	23 42 14				
54	5 29 37	11 35 52	17 42 6	23 48 21				
55	5 35 43	11 41 58	17 48 12	23 54 27				
56	5 41 50	11 48 4	17 54 19	24 0 33				
57	5 47 56	11 54 10	18 0 25	24 6 39				
58	5 54 2	12 0 17	18 6 31	24 12 46				
59	6 0 8	12 6 23	18 12 37	24 18 52				

Die Reduktion
ist von der Sternzeit
zu subtrahieren

m	0^h	1^h	2^h	3^h	4^h	5^h	s	d
	d	d	d	d	d	d		d
0	0.000000	0.041667	0.083333	0.125000	0.166667	0.208333	0	0.000000
1	.000694	.042361	.084028	.125694	.167361	.209028	1	.000012
2	.001389	.043056	.084722	.126389	.168056	.209722	2	.000023
3	.002083	.043750	.085417	.127083	.168750	.210417	3	.000035
4	.002778	.044444	.086111	.127778	.169444	.211111	4	.000046
5	0.003472	0.045139	0.086806	0.128472	0.170139	0.211806	5	0.000058
6	.004167	.045833	.087500	.129167	.170833	.212500	6	.000069
7	.004861	.046528	.088194	.129861	.171528	.213194	7	.000081
8	.005556	.047222	.088889	.130556	.172222	.213889	8	.000093
9	.006250	.047917	.089583	.131250	.172917	.214583	9	.000104
10	0.006944	0.048611	0.090278	0.131944	0.173611	0.215278	10	0.000116
11	.007639	.049306	.090972	.132639	.174306	.215972	11	.000127
12	.008333	.050000	.091667	.133333	.175000	.216667	12	.000139
13	.009028	.050694	.092361	.134028	.175694	.217361	13	.000150
14	.009722	.051389	.093056	.134722	.176389	.218056	14	.000162
15	0.010417	0.052083	0.093750	0.135417	0.177083	0.218750	15	0.000174
16	.011111	.052778	.094444	.136111	.177778	.219444	16	.000185
17	.011806	.053472	.095139	.136806	.178472	.220139	17	.000197
18	.012500	.054167	.095833	.137500	.179167	.220833	18	.000208
19	.013194	.054861	.096528	.138194	.179861	.221528	19	.000220
20	0.013889	0.055556	0.097222	0.138889	0.180556	0.222222	20	0.000231
21	.014583	.056250	.097917	.139583	.181250	.222917	21	.000243
22	.015278	.056944	.098611	.140278	.181944	.223611	22	.000255
23	.015972	.057639	.099306	.140972	.182639	.224306	23	.000266
24	.016667	.058333	.100000	.141667	.183333	.225000	24	.000278
25	0.017361	0.059028	0.100694	0.142361	0.184028	0.225694	25	0.000289
26	.018056	.059722	.101389	.143056	.184722	.226389	26	.000301
27	.018750	.060417	.102083	.143750	.185417	.227083	27	.000313
28	.019444	.061111	.102778	.144444	.186111	.227778	28	.000324
29	.020139	.061806	.103472	.145139	.186806	.228472	29	.000336
30	0.020833	0.062500	0.104167	0.145833	0.187500	0.229167	30	0.000347
31	.021528	.063194	.104861	.146528	.188194	.229861	31	.000359
32	.022222	.063889	.105556	.147222	.188889	.230556	32	.000370
33	.022917	.064583	.106250	.147917	.189583	.231250	33	.000382
34	.023611	.065278	.106944	.148611	.190278	.231944	34	.000394
35	0.024306	0.065972	0.107639	0.149306	0.190972	0.232639	35	0.000405
36	.025000	.066667	.108333	.150000	.191667	.233333	36	.000417
37	.025694	.067361	.109028	.150694	.192361	.234028	37	.000428
38	.026389	.068056	.109722	.151389	.193056	.234722	38	.000440
39	.027083	.068750	.110417	.152083	.193750	.235417	39	.000451
40	0.027778	0.069444	0.111111	0.152778	0.194444	0.236111	40	0.000463
41	.028472	.070139	.111806	.153472	.195139	.236806	41	.000475
42	.029167	.070833	.112500	.154167	.195833	.237500	42	.000486
43	.029861	.071528	.113194	.154861	.196528	.238194	43	.000498
44	.030556	.072222	.113889	.155556	.197222	.238889	44	.000509
45	0.031250	0.072917	0.114583	0.156250	0.197917	0.239583	45	0.000521
46	.031944	.073611	.115278	.156944	.198611	.240278	46	.000532
47	.032639	.074306	.115972	.157639	.199306	.240972	47	.000544
48	.033333	.075000	.116667	.158333	.200000	.241667	48	.000556
49	.034028	.075694	.117361	.159028	.200694	.242361	49	.000567
50	0.034722	0.076389	0.118056	0.159722	0.201389	0.243056	50	0.000579
51	.035417	.077083	.118750	.160417	.202083	.243750	51	.000590
52	.036111	.077778	.119444	.161111	.202778	.244444	52	.000602
53	.036806	.078472	.120139	.161806	.203472	.245139	53	.000613
54	.037500	.079167	.120833	.162500	.204167	.245833	54	.000625
55	0.038194	0.079861	0.121528	0.163194	0.204861	0.246528	55	0.000637
56	.038889	.080556	.122222	.163889	.205556	.247222	56	.000648
57	.039583	.081250	.122917	.164583	.206250	.247917	57	.000660
58	.040278	.081944	.123611	.165278	.206944	.248611	58	.000671
59	.040972	.082639	.124306	.165972	.207639	.249306	59	.000683

	6^h	7^h	8^h	9^h	10^h	11^h		
m	d	d	d	d	d	d	s	d
0	0.250000	0.291667	0.333333	0.375000	0.416667	0.458333	0	0.000000
1	.250694	.292361	.334028	.375694	.417361	.459028	1	.000012
2	.251389	.293056	.334722	.376389	.418056	.459722	2	.000023
3	.252083	.293750	.335417	.377083	.418750	.460417	3	.000035
4	.252778	.294444	.336111	.377778	.419444	.461111	4	.000046
5	0.253472	0.295139	0.336806	0.378472	0.420139	0.461806	5	0.000058
6	.254167	.295833	.337500	.379167	.420833	.462500	6	.000069
7	.254861	.296528	.338194	.379861	.421528	.463194	7	.000081
8	.255556	.297222	.338889	.380556	.422222	.463889	8	.000093
9	.256250	.297917	.339583	.381250	.422917	.464583	9	.000104
10	0.256944	0.298611	0.340278	0.381944	0.423611	0.465278	10	0.000116
11	.257639	.299306	.340972	.382639	.424306	.465972	11	.000127
12	.258333	.300000	.341667	.383333	.425000	.466667	12	.000139
13	.259028	.300694	.342361	.384028	.425694	.467361	13	.000150
14	.259722	.301389	.343056	.384722	.426389	.468056	14	.000162
15	0.260417	0.302083	0.343750	0.385417	0.427083	0.468750	15	0.000174
16	.261111	.302778	.344444	.386111	.427778	.469444	16	.000185
17	.261806	.303472	.345139	.386806	.428472	.470139	17	.000197
18	.262500	.304167	.345833	.387500	.429167	.470833	18	.000208
19	.263194	.304861	.346528	.388194	.429861	.471528	19	.000220
20	0.263889	0.305556	0.347222	0.388889	0.430556	0.472222	20	0.000231
21	.264583	.306250	.347917	.389583	.431250	.472917	21	.000243
22	.265278	.306944	.348611	.390278	.431944	.473611	22	.000255
23	.265972	.307639	.349306	.390972	.432639	.474306	23	.000266
24	.266667	.308333	.350000	.391667	.433333	.475000	24	.000278
25	0.267361	0.309028	0.350694	0.392361	0.434028	0.475694	25	0.000289
26	.268056	.309722	.351389	.393056	.434722	.476389	26	.000301
27	.268750	.310417	.352083	.393750	.435417	.477083	27	.000313
28	.269444	.311111	.352778	.394444	.436111	.477778	28	.000324
29	.270139	.311806	.353472	.395139	.436806	.478472	29	.000336
30	0.270833	0.312500	0.354167	0.395833	0.437500	0.479167	30	0.000347
31	.271528	.313194	.354861	.396528	.438194	.479861	31	.000359
32	.272222	.313889	.355556	.397222	.438889	.480556	32	.000370
33	.272917	.314583	.356250	.397917	.439583	.481250	33	.000382
34	.273611	.315278	.356944	.398611	.440278	.481944	34	.000394
35	0.274306	0.315972	0.357639	0.399306	0.440972	0.482639	35	0.000405
36	.275000	.316667	.358333	.400000	.441667	.483333	36	.000417
37	.275694	.317361	.359028	.400694	.442361	.484028	37	.000428
38	.276389	.318056	.359722	.401389	.443056	.484722	38	.000440
39	.277083	.318750	.360417	.402083	.443750	.485417	39	.000451
40	0.277778	0.319444	0.361111	0.402778	0.444444	0.486111	40	0.000463
41	.278472	.320139	.361806	.403472	.445139	.486806	41	.000475
42	.279167	.320833	.362500	.404167	.445833	.487500	42	.000486
43	.279861	.321528	.363194	.404861	.446528	.488194	43	.000498
44	.280556	.322222	.363889	.405556	.447222	.488889	44	.000509
45	0.281250	0.322917	0.364583	0.406250	0.447917	0.489583	45	0.000521
46	.281944	.323611	.365278	.406944	.448611	.490278	46	.000532
47	.282639	.324306	.365972	.407639	.449306	.490972	47	.000544
48	.283333	.325000	.366667	.408333	.450000	.491667	48	.000556
49	.284028	.325694	.367361	.409028	.450694	.492361	49	.000567
50	0.284722	0.326389	0.368056	0.409722	0.451389	0.493056	50	0.000579
51	.285417	.327083	.368750	.410417	.452083	.493750	51	.000590
52	.286111	.327778	.369444	.411111	.452778	.494444	52	.000602
53	.286806	.328472	.370139	.411806	.453472	.495139	53	.000613
54	.287500	.329167	.370833	.412500	.454167	.495833	54	.000625
55	0.288194	0.329861	0.371528	0.413194	0.454861	0.496528	55	0.000637
56	.288889	.330556	.372222	.413889	.455556	.497222	56	.000648
57	.289583	.331250	.372917	.414583	.456250	.497917	57	.000660
58	.290278	.331944	.373611	.415278	.456944	.498611	58	.000671
59	.290972	.332639	.374306	.415972	.457639	.499306	59	.000683

Hilfstafeln

zur Berechnung der optischen Mondlibration

λ-☊	Δλ	a	B	λ-☊	λ-☊	Δλ	a	B	λ-☊
°	'		° '	°	°	'		° '	°
0	+0.0+	−0.0269+	−0 0.0+	180	45	+0.6+	−0.0190+	−1 5.3+	225
1	0.0	268	0 1.6	181	46	0.6	187	1 6.4	226
2	0.0	268	0 3.2	182	47	0.6	183	1 7.5	227
3	0.1	268	0 4.8	183	48	0.6	180	1 8.6	228
4	0.1	268	0 6.4	184	49	0.6	176	1 9.7	229
5	+0.1+	−0.0268+	−0 8.0+	185	50	+0.6+	−0.0173+	−1 10.7+	230
6	0.1	267	0 9.7	186	51	0.6	169	1 11.8	231
7	0.1	267	0 11.3	187	52	0.6	165	1 12.8	232
8	0.2	266	0 12.9	188	53	0.6	162	1 13.8	233
9	0.2	265	0 14.4	189	54	0.6	158	1 14.7	234
10	+0.2+	−0.0264+	−0 16.0+	190	55	+0.6+	−0.0154+	−1 15.6+	235
11	0.2	264	0 17.6	191	56	0.6	150	1 16.5	236
12	0.2	263	0 19.2	192	57	0.6	146	1 17.4	237
13	0.3	262	0 20.8	193	58	0.6	142	1 18.3	238
14	0.3	261	0 22.3	194	59	0.5	138	1 19.2	239
15	+0.3+	−0.0259+	−0 23.9+	195	60	+0.5+	−0.0134+	−1 20.0+	240
16	0.3	258	0 25.5	196	61	0.5	130	1 20.8	241
17	0.3	257	0 27.0	197	62	0.5	126	1 21.5	242
18	0.4	255	0 28.5	198	63	0.5	122	1 22.3	243
19	0.4	254	0 30.1	199	64	0.5	118	1 23.0	244
20	+0.4+	−0.0252+	−0 31.6+	200	65	+0.5+	−0.0114+	−1 23.7+	245
21	0.4	251	0 33.1	201	66	0.5	109	1 24.4	246
22	0.4	249	0 34.6	202	67	0.4	105	1 25.0	247
23	0.4	247	0 36.1	203	68	0.4	101	1 25.6	248
24	0.5	245	0 37.6	204	69	0.4	096	1 26.2	249
25	+0.5+	−0.0243+	−0 39.0+	205	70	+0.4+	−0.0092+	−1 26.8+	250
26	0.5	241	0 40.5	206	71	0.4	87	1 27.3	251
27	0.5	239	0 41.9	207	72	0.4	83	1 27.8	252
28	0.5	237	0 43.4	208	73	0.3	79	1 28.3	253
29	0.5	235	0 44.8	209	74	0.3	74	1 28.8	254
30	+0.5+	−0.0233+	−0 46.2+	210	75	+0.3+	−0.0070+	−1 29.2+	255
31	0.5	230	0 47.6	211	76	0.3	65	1 29.6	256
32	0.6	228	0 48.9	212	77	0.3	60	1 30.0	257
33	0.6	225	0 50.3	213	78	0.2	56	1 30.3	258
34	0.6	223	0 51.6	214	79	0.2	51	1 30.6	259
35	+0.6+	−0.0220+	−0 53.0+	215	80	+0.2+	−0.0047+	−1 30.9+	260
36	0.6	217	0 54.3	216	81	0.2	42	1 31.2	261
37	0.6	214	0 55.6	217	82	0.2	37	1 31.4	262
38	0.6	212	0 56.9	218	83	0.1	33	1 31.6	263
39	0.6	209	0 58.1	219	84	0.1	28	1 31.8	264
40	+0.6+	−0.0206+	−0 59.4+	220	85	+0.1+	−0.0023+	−1 32.0+	265
41	0.6	203	1 0.6	221	86	0.1	19	1 32.1	266
42	0.6	200	1 1.8	222	87	0.1	14	1 32.2	267
43	0.6	196	1 3.0	223	88	0.0	09	1 32.3	268
44	0.6	193	1 4.1	224	89	0.0	05	1 32.3	269
45	+0.6+	−0.0190+	−1 5.3+	225	90	+0.0+	−0.0000+	−1 32.3+	270

$$l' = \lambda + \Delta\lambda - a(B - \beta) - L_{☾}; \quad b' = B - \beta$$

l', b' = Optische Libration der Mondmitte in selenographischer Länge und Breite

λ, β = Länge und Breite des Mondmittelpunktes, berechnet für den Beobachtungsort

$L_{☾}$ = Mittlere Länge des Mondes, ☊ = Mondknoten.

Hilfstafeln

zur Berechnung der optischen Mondlibration

λ-☊	Δλ	a	B	λ-☊	λ-☊	Δλ	a	B	λ-☊
°	′		° ′	°	°	′		° ′	°
90	—0.0—	+0.0000—	—1 32.3+	270	135	—0.6—	+0.0190—	—1 5.3+	315
91	0.0	05	1 32.3	271	136	0.6	193	1 4.1	316
92	0.0	09	1 32.3	272	137	0.6	196	1 3.0	317
93	0.1	14	1 32.2	273	138	0.6	200	1 1.8	318
94	0.1	19	1 32.1	274	139	0.6	203	1 0.6	319
95	—0.1—	+0.0023—	—1 32.0+	275	140	—0.6—	+0.0206—	—0 59.4+	320
96	0.1	28	1 31.8	276	141	0.6	209	0 58.1	321
97	0.1	33	1 31.6	277	142	0.6	212	0 56.9	322
98	0.2	37	1 31.4	278	143	0.6	214	0 55.6	323
99	0.2	42	1 31.2	279	144	0.6	217	0 54.3	324
100	—0.2—	+0.0047—	—1 30.9+	280	145	—0.6—	+0.0220—	—0 53.0+	325
101	0.2	51	1 30.6	281	146	0.6	223	0 51.6	326
102	0.2	56	1 30.3	282	147	0.6	225	0 50.3	327
103	0.3	60	1 30.0	283	148	0.6	228	0 48.9	328
104	0.3	65	1 29.6	284	149	0.5	230	0 47.6	329
105	—0.3—	+0.0070—	—1 29.2+	285	150	—0.5—	+0.0233—	—0 46.2+	330
106	0.3	74	1 28.8	286	151	0.5	235	0 44.8	331
107	0.3	79	1 28.3	287	152	0.5	237	0 43.4	332
108	0.4	83	1 27.8	288	153	0.5	239	0 41.9	333
109	0.4	87	1 27.3	289	154	0.5	241	0 40.5	334
110	—0.4—	+0.0092—	—1 26.8+	290	155	—0.5—	+0.0243—	—0 39.0+	335
111	0.4	096	1 26.2	291	156	0.5	245	0 37.6	336
112	0.4	101	1 25.6	292	157	0.4	247	0 36.1	337
113	0.4	105	1 25.0	293	158	0.4	249	0 34.6	338
114	0.5	109	1 24.4	294	159	0.4	251	0 33.1	339
115	—0.5—	+0.0114—	—1 23.7+	295	160	—0.4—	+0.0252—	—0 31.6+	340
116	0.5	118	1 23.0	296	161	0.4	254	0 30.1	341
117	0.5	122	1 22.3	297	162	0.4	255	0 28.5	342
118	0.5	126	1 21.5	298	163	0.3	257	0 27.0	343
119	0.5	130	1 20.8	299	164	0.3	258	0 25.5	344
120	—0.5—	+0.0134—	—1 20.0+	300	165	—0.3—	+0.0259—	—0 23.9+	345
121	0.5	138	1 19.2	301	166	0.3	261	0 22.3	346
122	0.6	142	1 18.3	302	167	0.3	262	0 20.8	347
123	0.6	146	1 17.4	303	168	0.2	263	0 19.2	348
124	0.6	150	1 16.5	304	169	0.2	264	0 17.6	349
125	—0.6—	+0.0154—	—1 15.6+	305	170	—0.2—	+0.0264—	—0 16.0+	350
126	0.6	158	1 14.7	306	171	0.2	265	0 14.4	351
127	0.6	162	1 13.8	307	172	0.2	266	0 12.9	352
128	0.6	165	1 12.8	308	173	0.1	267	0 11.3	353
129	0.6	169	1 11.8	309	174	0.1	267	0 9.7	354
130	—0.6—	+0.0173—	—1 10.7+	310	175	—0.1—	+0.0268—	—0 8.0+	355
131	0.6	176	1 9.7	311	176	0.1	268	0 6.4	356
132	0.6	180	1 8.6	312	177	0.1	268	0 4.8	357
133	0.6	183	1 7.5	313	178	0.0	268	0 3.2	358
134	0.6	187	1 6.4	314	179	0.0	268	0 1.6	359
135	—0.6—	+0.0190—	—1 5.3+	315	180	—0.0—	+0.0269—	—0 0.0+	360

$$l' = \lambda + \Delta\lambda - a\,(B - \beta) - L_{☾}\,; \quad b' = B - \beta$$

l', b' = Optische Libration der Mondmitte in selenographischer Länge und Breite

λ, β = Länge und Breite des Mondmittelpunktes, berechnet für den Beobachtungsort

$L_{☾}$ = Mittlere Länge des Mondes, ☊ = Mondknoten.

Hilfsgrößen

zur Berechnung der geozentrischen Koordinaten

$\rho \sin \varphi' = s \sin \varphi$; $\rho \cos \varphi' = c \cos \varphi$

φ	log s		log c		φ	log s		log c	
±0°	9.9970705	4	0.0000000	4	±40°	9.9976745	252	0.0006040	252
1	.9970709	14	.0000004	14	41	.9976997	254	.0006292	254
2	.9970723	22	.0000018	22	42	.9977251	255	.0006546	255
3	.9970745	31	.0000040	31	43	.9977506	255	.0006801	255
4	.9970776	40	.0000071	40	44	.9977761	255	.0007056	255
5	9.9970816	49	0.0000111	49	45	9.9978016	256	0.0007311	256
6	.9970865	57	.0000160	57	46	.9978272	255	.0007567	255
7	.9970922	66	.0000217	66	47	.9978527	255	.0007822	255
8	.9970988	74	.0000283	74	48	.9978782	254	.0008077	254
9	.9971062	83	.0000357	83	49	.9979036	252	.0008331	252
10	9.9971145	92	0.0000440	92	50	9.9979288	252	0.0008583	252
11	.9971237	99	.0000532	99	51	.9979540	249	.0008835	249
12	.9971336	108	.0000631	108	52	.9979789	247	.0009084	247
13	.9971444	116	.0000739	116	53	.9980036	245	.0009331	245
14	.9971560	123	.0000855	123	54	.9980281	242	.0009576	242
15	9.9971683	131	0.0000978	131	55	9.9980523	239	0.0009818	239
16	.9971814	139	.0001109	139	56	.9980762	235	.0010057	235
17	.9971953	146	.0001248	146	57	.9980997	232	.0010292	232
18	.9972099	154	.0001394	154	58	.9981229	228	.0010524	228
19	.9972253	160	.0001548	160	59	.9981457	224	.0010752	224
20	9.9972413	168	0.0001708	168	60	9.9981681	220	0.0010976	220
21	.9972581	174	.0001876	174	61	.9981901	215	.0011196	215
22	.9972755	180	.0002050	180	62	.9982116	209	.0011411	209
23	.9972935	187	.0002230	187	63	.9982325	205	.0011620	205
24	.9973122	192	.0002417	192	64	.9982530	199	.0011825	199
25	9.9973314	198	0.0002609	198	65	9.9982729	193	0.0012024	193
26	.9973512	204	.0002807	204	66	.9982922	188	.0012217	188
27	.9973716	209	.0003011	209	67	.9983110	181	.0012405	181
28	.9973925	214	.0003220	214	68	.9983291	175	.0012586	175
29	.9974139	219	.0003434	219	69	.9983466	168	.0012761	168
30	9.9974358	223	0.0003653	223	70	9.9983634	161	0.0012929	161
31	.9974581	227	.0003876	227	71	.9983795	154	.0013090	154
32	.9974808	232	.0004103	232	72	.9983949	147	.0013244	147
33	.9975040	235	.0004335	235	73	.9984096	140	.0013391	140
34	.9975275	238	.0004570	238	74	.9984236	132	.0013531	132
35	9.9975513	241	0.0004808	241	75	9.9984368	124	0.0013663	124
36	.9975754	245	.0005049	245	76	.9984492	117	.0013787	117
37	.9975999	246	.0005294	246	77	.9984609	108	.0013904	108
38	.9976245	249	.0005540	249	78	9984717	100	.0014012	100
39	.9976494	251	.0005789	251	79	.9984817	92	.0014112	92
40	9.9976745		0.0006040		80	9.9984909		0.0014204	

Name	Seehöhe	Geogr. Breite	Länge von Greenwich + westlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Abbadia	69	+43 22 52.2	+0 7 0.1	+ 1.15	+43 11 17.8	9.999317
Åbo	—	+60 26 56.8	−1 29 6.30	−14.64	+60 16 58.8	9.998894
Adelaide	43	−34 55 37.1	−9 14 20.3	−91.06	−34 44 44.8	9.999526
Albany (N. Stw.)[1]	40	+42 39 12.6	+4 55 6.36	+48.48	+42 27 39.5	9.999334
Alfred Centre N.Y.	556	+42 15 19.8	+5 11 7.13	+51.11	+42 3 47.6	9.999379
Algier (N. Stw.)[2]	342	+36 47 50	−0 12 8.38	− 1.99	+36 36 43	9.999501
Allegheny (N. Stw.)	370	+40 28 58.1	+5 20 5.39	+52.59	+40 17 31.4	9.999411
Allegheny (A. Stw.)	349	+40 27 41.6	+5 20 2.97	+52.58	+40 16 15.0	9.999411
Altenburg[3]	229	+50 58 20	−0 49 44.16	− 8.17	+50 46 59	9.999135
Altona Mer.-Kreis[4]	31	+53 32 45.3	−0 39 46.19	− 6.53	+53 21 39.7	9.999058
Amherst (Neue Stw.)	110	+42 21 56.5	+4 50 5.98	+47.66	+42 10 24.0	9.999346
Amherst (Alte Stw.)	122	+42 22 17.1	+4 50 4.72	+47.66	+42 10 44.6	9.999347
Annapolis	—	+38 58 53.5	+5 5 56.53	+50.26	+38 47 33.6	9.999424
Ann Arbor	285	+42 16 48.0	+5 34 55.23	+55.02	+42 5 15.7	9.999360
Arcetri Zentr. d. St.[5]	186	+43 45 14.4	−0 45 1.30	− 7.39	+43 33 39.5	9.999316
Arequipa	2451	−16 22 28.0	+4 46 11.73	+47.02	−16 16 12.7	0.000052
Armagh	61	+54 21 12.7	+0 26 35.4	+ 4.37	+54 10 13.1	9.999041
Athen	107	+37 58 19.7	−1 34 52.92	−15.58	+37 47 5.4	9.999456
Bamberg (Remeis' St.)	299	+49 53 6.0	−0 43 33.57	− 7.15	+49 41 40.0	9.999167
Barcelona[6]	420	+41 24 2	−0 8 35.1	− 1.41	+41 12 32	9.999392
Beloit	—	+42 30 9	+5 56 7.4	+58.51	+42 18 36	9.999335
Bergedorf Mer.-Kr.	35	+53 28 46.7	−0 40 57.74	− 6.73	+53 17 40.6	9.999060
Bergen	—	+60 23 54	−0 21 12.73	− 3.48	+60 13 55	9.998895
Berkeley	97	+37 52 23.6	+8 9 2.82	+80.34	+37 41 9.9	9.999458
Berlin-Babelsberg[7]	80	+52 24 24.2	−0 52 25.49	− 8.61	+52 13 11.1	9.999089
Berlin (Urania)	—	+52 31 30.7	−0 53 27.40	− 8.78	+52 20 18.3	9.999081
Bern	573	+46 57 8.7	−0 29 45.55	− 4.89	+46 45 34.5	9.999261
Besançon	312	+47 14 59.0	−0 23 57.1	− 3.93	+47 3 25.3	9.999236
Bethlehem[8]	—	+40 36 23.5	+5 1 31.94	+49.54	+40 24 56.3	9.999383
Birr Castle[9]	56	+53 5 47	+0 31 40.9	+ 5.20	+52 54 38	9.999070
Bogota	2700	+ 4 35 48	+4 56 59	+48.79	+ 4 33 57	0.000175
Bologna Zentr. d. Stw.	84	+44 29 52.8	−0 45 24.48	− 7.46	+44 18 17.3	9.999290
Bombay (Colaba)	19	+18 53 36.2	−4 51 15.70	−47.85	+18 46 31.1	9.999849
Bonn Zentr. d. Stw.	62	+50 43 45.0	−0 28 23.18	− 4.66	+50 32 22.7	9.999130
Bordeaux (Floirac)	73	+44 50 7.2	+0 2 6.56	+ 0.35	+44 38 31.6	9.999281
Boston (University)	—	+42 21 32.5	+4 44 15.0	+46.70	+42 10 0.0	9.999339

1) Dudley Observatory, seit Juni 1893. Alte Sternwarte 37″.0 nördlich, 7s.10 östlich. — 2) Alte Sternwarte 3′.8 südlich, 8s östlich. — 3) Fr. Krüger. — 4) 1873 nach Kiel verlegt. — 5) Seit Oktober 1872, früher in Florenz. — 6) J. Comas Solá. — 7) Die Koordinaten beziehen sich auf die Mitte der großen Kuppel, in der der große Refraktor aufgestellt ist. Die frühere Sternwarte in Berlin (seit 1835) lag 5′ 52″.5 nördlich und 1m 9s.31 östlich. — 8) Sayre Observatory, auch South-Bethlehem. — 9) Earl of Rosse.

Koordinaten der Sternwarten

Name	Seehöhe	Geogr. Breite	Länge von Greenwich + westlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Bothkamp[1])	32	+54 12 9.6	− 0 40 31.2	− 6.65	+54 1 8.8	9.999042
Bremen (Olbers' Stw.)	—	+53 4 36	− 0 35 15	− 5.79	+52 53 27	9.999067
Breslau Zentr. d. Stw.	147	+51 6 56.5	− 1 8 8.72	− 11.19	+50 55 36.1	9.999126
Breteuil Zentr.[2])	66	+48 49 48	− 0 8 52.9	− 1.46	+48 38 18	9.999178
Brisbane	—	−27 28 0	−10 12 6.4	−100.55	−27 18 32	9.999691
Brüssel (Alte St.) Pass.Instr.	56	+50 51 10.7	− 0 17 28.71	− 2.87	+50 39 49.0	9.999126
Brüssel (Uccle) Mer.-Kreis	102	+50 47 55.5	− 0 17 26.06	− 2.86	+50 36 33.6	9.999131
Budapest[3])	110	+47 28 49	− 1 16 13.7	− 12.53	+47 17 16	9.999215
Bukarest (Mil. Geogr. Inst.)	85	+44 24 34.2	− 1 44 27.01	− 17.16	+44 12 58.7	9.999292
Cambridge Engl.	28	+52 12 51.6	− 0 0 22.75	− 0.06	+52 1 37.3	9.999090
Cambridge Mass.[4])	24	+42 22 47.6	+ 4 44 31.02	+ 46.74	+42 11 15.1	9.999340
Cap d. gut. Hoffnung	16	−33 56 3.2	− 1 13 54.74	− 12.14	−33 45 19.6	9.999548
Catania	60	+37 30 13.3	− 1 0 20.6	− 9.91	+37 19 1.9	9.999465
Chapultepec (Alte Stw.)[5])	—	+19 25 17.5	+ 6 36 38.28	+ 65.16	+19 18 2.3	9.999840
Charkow	138	+50 0 10.2	− 2 24 54.6	− 23.81	+49 48 44.7	9.999153
Charlottenburg, Techn. Hochsch.	60	+52 30 48.7	− 0 53 20.5	− 8.76	+52 19 36.2	9.999085
Charlottesville[6])	250	+38 2 1.2	+ 5 14 5.26	+ 51.60	+37 50 46.5	9.999464
Chicago (Alte Stw.)[7])	—	+41 50 1.0	+ 5 50 26.82	+ 57.57	+41 38 29.8	9.999352
Christiania (Oslo) Mer.-Kr.	25	+59 54 43.7	− 0 42 53.51	− 7.04	+59 44 39.2	9.998908
Cincinnati (Alte Stw.)	—	+39 6 26.5	+ 5 37 59.09	+ 55.52	+38 55 6.0	9.999421
Cincinnati (Neue Stw.)[8])	263	+39 8 19.8	+ 5 37 41.33	+ 55.47	+38 56 59.1	9.999438
Cleveland (Case Obs.)	212	+41 30 14.5	+ 5 26 25.86	+ 53.63	+41 18 44.3	9.999375
Clinton (Litchfield Obs.)	276	+43 3 16.5	+ 5 1 37.48	+ 49.55	+42 51 42.6	9.999340
Coimbra	99	+40 12 24.5	+ 0 33 43.1	+ 5.54	+40 0 58.9	9.999400
Columbia Missouri[9])	225	+38 56 51.7	+ 6 9 18.37	+ 60.67	+38 45 32.0	9.999440
Cordoba	439	−31 25 15.5	+ 4 16 48.2	+ 42.19	−31 14 57.5	9.999635
Danzig	3	+54 21 18.0	− 1 14 39.5	− 12.26	+54 10 18.4	9.999036
Denver[10])	1650	+39 40 36.4	+ 6 59 47.67	+ 68.96	+39 29 13.1	9.999519
Dorpat (Tartu, Jurjew) Mer.-Kr.	73	+58 22 47.1	− 1 46 53.23	− 17.56	+58 12 25.0	9.998946
Dresden (Neue Stw.)[11])	121	+51 2 16.8	− 0 54 54.74	− 9.02	+50 50 56.1	9.999126
Dresden (Mathem. Salon)	—	+51 3 14.7	− 0 54 55.83	− 9.02	+50 51 54.0	9.999117
Dublin (Dunsink Obs.)	86	+53 23 13.1	+ 0 25 21.1	+ 4.17	+53 12 6.4	9.999065
Düsseldorf (Bilk)	46	+51 12 25.0	− 0 27 2.69	− 4.44	+51 1 5.1	9.999117
Dunecht[12])	141	+57 9 36	+ 0 9 40	+ 1.59	+56 59 1	9.998979
Durham	107	+54 46 6.2	+ 0 6 19.7	+ 1.04	+54 35 9.8	9.999033
Edinburgh	106	+55 57 23.2	+ 0 12 43.05	+ 2.09	+55 46 37.0	9.999005

[1]) Herr von Bülow. — [2]) Bureau international des Poids et Mesures. — [3]) Observ. der Kgl. Josef-Technischen Hochschule. — [4]) Harvard College Observatory. — [5]) 1883 nach Tacubaya verlegt. — [6]) Leander Mc. Cormick Obs. der University of Virginia. — [7]) 1887 geschlossen. — [8]) Mount Lookout seit 1873. — [9]) Laws Observatory. — [10]) University Park, Chamberlin Observatory. — [11]) v. Engelhardt, Herbst 1897 aufgelöst. Alte Sternwarte 14″.2 nördlich, 1^s.57 westlich. — [12]) Earl of Crawford.

Name	Seehöhe	Geogr. Breite	Länge von Greenwich + westlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Edinburgh (Blackf. Hill)	134	+55 55 28.0	+0 12 44.0	+ 2.09	+55 44 41.5	9.999007
Evanston (Dearborn Obs.)	175	+42 3 33.4	+5 50 42.3	+57.61	+41 52 1.6	9.999358
Flagstaff (Lowell Obs.) .	2210	+35 12 30.5	+7 26 44.6	+73.39	+35 1 35.8	9.999667
Florenz (Alte Sternw.)[1] .	73	+43 46 4.1	−0 45 1.30	− 7.40	+43 34 29.2	9.999308
Florenz (Mil. Geogr. Inst.)	—	+43 46 49.3	−0 45 2.52	− 7.40	+43 35 14.4	9.999303
Frankfurt a. M. . . .	121	+50 7 0	−0 34 36.3	− 5.70	+49 55 35	9.999149
Genf Mer.-Kreis	407	+46 11 59.1	−0 24 36.61	− 4.04	+46 0 23.9	9.999269
Genua (Mar. Stw.) Mer.-Kr.	105	+44 25 9.3	−0 35 41.28	− 5.86	+44 13 33.8	9.999293
Georgetown D. C. . .	46	+38 54 26.2	+5 8 18.33	+50.65	+38 43 6.7	9.999429
Glasgow Schottl. . . .	55	+55 52 42.6	+0 17 10.55	+ 2.82	+55 41 55.7	9.999003
Glasgow Missouri . . .	228	+39 13 45.6	+6 11 18.06	+61.00	+39 2 24.5	9.999433
Göttingen Mer.-Kreis . .	161	+51 31 48.2	−0 39 46.22	− 6.53	+51 20 30.0	9.999117
Gohlis[2]	108	+51 21 35.0	−0 49 29.54	− 8.13	+51 10 15.9	9.999117
Gotha (Neue Stw.) Zentr. d. St.[3]	320	+50 56 37.5	−0 42 50.51	− 7.04	+50 45 16.3	9.999142
Graz	375	+47 4 37.2	−1 1 48	−10.15	+46 53 3.2	9.999244
Greenwich Transit Circle	47	+51 28 38.1	0 0 0.00	0.00	+51 17 19.6	9.999110
Grignon	—	+47 33 42	−0 17 38	− 2.89	+47 22 9	9.999206
Groningen	4	+53 13 19.1	−0 26 15.2	− 4.31	+53 2 11.3	9.999064
Hamburg (Alt. Stw.) M.-Kr.[4]	25	+53 33 6.0	−0 39 53.60	− 6.55	+53 22 0.4	9.999057
Hamburg (D. Seewarte) .	30	+53 32 51.8	−0 39 53.42	− 6.55	+53 21 46.2	9.999058
Hanover N. H.	183	+43 42 15.2	+4 49 8.00	+47.50	+43 30 40.4	9.999317
Harrow (Col. Tupman) .	66	+51 34 47.4	+0 1 19.9	+ 0.22	+51 23 29.5	9.999109
Hastings on Huds.[5] .	—	+40 59 25	+4 55 29.7	+48.55	+40 47 56	9.999373
Haverford	—	+40 0 36.5	+5 1 12.79	+49.48	+39 49 11.8	9.999398
Heidelberg (Wolfs Stw.)	126	+49 24 35	−0 34 48.4	− 5.72	+49 13 7	9.999159
Heidelberg (Königst.) M.-Kr.	570	+49 23 54.6	−0 34 53.13	− 5.73	+49 12 26.8	9.999198
St. Helena	210	−15 55 26	+0 22 52.2	+ 3.76	−15 49 20	9.999905
Helsingfors Mer.-Kreis .	38	+60 9 42.6	−1 39 49.10	−16.40	+59 59 41.1	9.998903
Helwan	119	+29 51 33	−2 5 21.77	−20.59	+29 41 33	9.999648
Herény (von Gothard) . .	229	+47 15 47.4	−1 6 24.6	−10.91	+47 4 13.7	9.999229
Hongkong	34	+22 18 13.2	−7 36 41.25	−75.02	+22 10 5.8	9.999793
Hudson	—	+41 14 42.6	+5 25 44.19	+53.51	+41 3 13.2	9.999367
Hyderabad-Deccan[6]	554	+17 25 54.3	−5 13 48.98	−51.55	+17 19 17.7	9.999907
Innsbruck	605	+47 16 7.7	−0 45 31.42	− 7.48	+47 4 34.0	9.999254
Ipswich (Orwell Park)[7] .	—	+52 0 33	−0 4 55.8	− 0.81	+51 49 17	9.999094
Jena (Univers.) Zentr. d. St.	156	+50 55 35.6	−0 46 20.22	− 7.61	+50 44 14.3	9.999131

[1]) 1872 nach Arcetri verlegt. — [2]) Winkler, August 1887 nach Jena verlegt. — [3]) Seit 1857, früher Seeberg. — [4]) 1909 nach Bergedorf verlegt. — [5]) Dr. Draper. — [6]) Nizamiah Observatory. — [7]) Col. Tomline.

Koordinaten der Sternwarten

Name	Seehöhe	Geogr. Breite	Länge von Greenwich + westlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Jena (Winkler)	174	+50 56 15.7	−0 46 20.73	− 7.61	+50 44 54.5	9.999132
Johannesburg	1806	−26 10 55.3	−1 52 18.00	−18.45	−26 1 45.2	9.999840
Johannesburg (Filiale des Yale Observ.)	1730	−26 11	−1 52 9	−18.42	−26 2	9.999835
Kairo	—	+30 4 38.2	−2 5 8.80	−20.56	+29 54 35.8	9.999635
Kalocsa [1]	110	+46 31 42	−1 15 54.2	−12.47	+46 20 7	9.999240
Karlsruhe [2]	110	+49 0 29.6	−0 33 35.40	− 5.52	+48 49 0.4	9.999177
Kasan (Univers.)	79	+55 47 24.3	−3 16 28.93	−32.28	+55 36 36.6	9.999007
Kasan (Engelhardt)	98	+55 50 20.0	−3 15 16.4	−32.08	+55 39 32.7	9.999007
Kew	10	+51 28 6	+0 1 15.1	+ 0.21	+51 16 47	9.999108
Kiel Neuer Mer.-Kreis	52	+54 20 27.6	−0 40 35.45	− 6.67	+54 9 27.9	9.999040
Kiel Alter Mer.-Kreis	47	+54 20 28.5	−0 40 35.57	− 6.67	+54 9 28.8	9.999040
Kiew Mer.-Kreis	184	+50 27 11.8	−2 2 0.56	−20.04	+50 15 48.3	9.999145
Kis Kartal [3]	—	+47 41 54.8	−1 18 11.6	−12.84	+47 30 22.0	9.999202
Königsberg Reps. M.-Kr. [4]	22	+54 42 50.6	−1 21 58.98	−13.47	+54 31 53.8	9.999029
Konstanz [5]	420	+47 39 43.6	−0 36 42.01	− 6.03	+47 28 10.7	9.999232
Kopenhagen (Neue Stw.) [6]	14	+55 41 12.6	−0 50 18.69	− 8.26	+55 30 24.0	9.999005
Kopenhagen (Urania-St.)	10	+55 41 19.2	−0 50 9.11	− 8.24	+55 30 30.6	9.999005
Krakau Mer.-Kreis	221	+50 3 51.9	−1 19 50.28	−13.11	+49 52 26.7	9.999158
Kremsmünster Mer.-Kr.	384	+48 3 23.1	−0 56 31.58	− 9.28	+47 51 51.1	9.999219
Kyoto	55	+35 1 37.1	−9 3 6.70	−89.22	+34 50 43.9	9.999525
Landstuhl (Fauth)	385	+49 24 42.5	−0 30 16.35	− 4.97	+49 13 14.7	9.999185
La Plata Mer. Kr. Gautier	17	−34 54 30.3	+3 51 44.8	+38.07	−34 43 38.1	9.999525
Leiden (Neue Stw.) Mer.-Kr. [7]	6	+52 9 20.2	−0 17 56.15	− 2.94	+51 58 5.6	9.999090
Leipzig (Neue Stw.) Zentr. [8]	119	+51 20 5.9	−0 49 33.93	− 8.14	+51 8 46.7	9.999119
Lembang (Bosscha St.)	1300	− 6 49 29.1	−7 10 27.81	−70.71	− 6 46 45.5	0.000068
Lemberg	338	+49 50 11	−1 36 4	−15.78	+49 38 45	9.999171
Leningrad (Petersburg) (Akad.)	20	+59 56 29.7	−2 1 13.35	−19.91	+59 46 25.5	9.998907
Leningrad (Petersburg) (Univers.)	4	+59 56 32.0	−2 1 11.3	−19.91	+59 46 27.8	9.998906
Leyton [9]	—	+51 34 34.0	+0 0 0.9	0.00	+51 23 16.1	9.999105
Lissabon (Tapada)	94	+38 42 30.5	+0 36 44.78	+ 6.04	+38 31 12.0	9.999437
Lissabon (Mar. Stw.)	—	+38 42 17.6	+0 36 33.6	+ 6.01	+38 30 59.2	9.999431
Liverpool (Neue Stw.) [10]	61	+53 24 3.8	+0 12 17.2	+ 2.02	+53 12 57.2	9.999063
London [11]	—	+51 31 30	+0 0 37.1	+ 0.10	+51 20 12	9.999106
Lourenço Marques	59	−25 58 4.9	−2 10 22.63	−21.42	−25 48 58.3	9.999725
Lübeck (Navig.-Sch.)	19	+53 51 31.1	−0 42 45.6	− 7.02	+53 40 27.8	9.999049
Lund Zentr. d. Stw.	34	+55 41 52.0	−0 52 44.97	− 8.66	+55 31 3.5	9.999006

[1]) Erzbischöfl. Haynaldsche Sternwarte. — [2]) 1896 nach Heidelberg verlegt. — [3]) Baron von Podmaniczky. — [4]) Nach 1898, vor 1898 $0^{s}.01$ westlich. — [5]) Privatsternwarte von E. Leiner. — [6]) Seit 1861 Nov. 11. Alte Sternwarte 20″.3 südlich, $0^{s}.03$ westlich. — [7]) Seit 1860. Alte Sternwarte 8″.0 nördlich, $0^{s}.42$ östlich. — [8]) Seit 1861. Alte Sternwarte 14″.2 nördlich, $4^{s}.00$ westlich. — [9]) J. Gurney Barclay. — [10]) Alte Sternwarte 44″.0 nördlich, $17^{s}.1$ östlich. — [11]) Regents Park, G. Bishop 1836—61.

Name	Seehöhe	Geogr. Breite	Länge von Greenwich + westlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Lussinpiccolo[1]) . . .	42	+44 32 11.0	−0 57 52.41	− 9.51	+44 20 35	9.999286
Lüttich Ougrée . . .	128	+50 37 6	−0 22 12	− 3.65	+50 25 43	9.999137
Lyon	299	+45 41 40.8	−0 19 8.0	− 3.14	+45 30 5.3	9.999274
Madison (Washburn Obs.)	293	+43 4 36.7	+5 57 37.90	+58.75	+42 53 2.8	9.999340
Madras	7	+13 4 8.1	−5 20 59.33	−52.73	+12 59 2.6	9.999926
Madrid Zentr. d. Stw. .	655	+40 24 29.7	+0 14 45.09	+ 2.43	+40 13 3.3	9.999433
Mailand Gr. Turm . .	120	+45 27 59.4	−0 36 45.89	− 6.04	+45 16 23.8	9.999268
Manila	3	+14 35 25	−8 3 50	−79.48	+14 29 47	9.999908
Mannheim Zentr. d. Stw.	98	+49 29 11.0	−0 33 50.42	− 5.56	+49 17 43.5	9.999164
Marburg	248	+50 48 46.9	−0 35 4.9	− 5.76	+50 37 25.0	9.999141
Mare Island Calif. .	18	+38 5 55.8	+8 9 5.59	+80.35	+37 54 40.8	9.999447
Markree (Col. Cooper) .	45	+54 10 31.7	+0 33 48.4	+ 5.56	+53 59 30.7	9.999043
Marseille (N. St.) M.-Kr.[2])	75	+43 18 19.1	−0 21 34.56	− 3.54	+43 6 44.8	9.999320
Melbourne	28	−37 49 53.1	−9 39 54.17	−95.26	−37 38 39.6	9.999454
Meudon	162	+48 48 18	−0 8 55.5	− 1.46	+48 36 48	9.999185
Mexico	2277	+19 26 1.3	+6 36 26.71	+65.13	+19 18 45.9	9.999995
Middletown, Conn. .	—	+41 33 16.0	+4 50 37.2	+47.74	+41 21 45.7	9.999359
Modena	63	+44 38 52.8	−0 43 42.8	− 7.18	+44 27 17.2	9.999285
Moncalieri	—	+44 59 51	−0 30 49	− 5.06	+44 48 15	9.999272
Montreal	20	+45 30 17.0	+4 54 18.65	+48.35	+45 18 41.4	9.999260
Mt. Hamilton (Lick) Mkr.	1283	+37 20 25.6	+8 6 34.85	+79.94	+37 9 15.2	9.999552
Mt. Wilson Calif. . .	1731	+34 12 59.5	+7 52 14.33	+77.57	+34 2 13.3	9.999658
Moskau Mer.-Kr. . . .	142	+55 45 19.5	−2 30 17.03	−24.69	+55 34 31.5	9.999012
Mundenheim[3]) . . .	—	+49 27 30	−0 33 44	− 5.54	+49 16 2	9.999158
München West-Kuppel	529	+48 8 45.5	−0 46 26.02	− 7.63	+47 57 13.8	9.999227
Münster	72	+51 57 45.8	−0 30 29.66	− 5.01	+51 46 30.0	9.999100
Nashville (Vanderbilt Obs.)	—	+36 8 58.2	+5 47 12.81	+57.04	+35 57 56.1	9.999494
Natal	79	−29 50 46.6	−2 4 1.18	−20.37	−29 40 47.0	9.999645
Neapel (Capo di M.) . .	164	+40 51 45.4	−0 57 1.38	− 9.37	+40 40 17.3	9.999388
Neuchâtel	488	+46 59 50.6	−0 27 49.75	− 4.57	+46 48 16.5	9.999254
New Haven (Neue Stw.)[4])	40	+41 19 22.3	+4 51 40.53	+47.92	+41 7 52.7	9.999368
New York (Rutherfurd)	—	+40 43 48.5	+4 55 56.66	+48.62	+40 32 20.9	9.999380
New York (Columb. Obs.)	—	+40 45 23.1	+4 55 53.73	+48.61	+40 33 55.4	9.999379
Nikolajew	55	+46 58 22.1	−2 7 53.76	−21.01	+46 46 47.9	9.999225
Nizza Kl. Mer.-Kr.[5]) . .	378	+43 43 16.9	−0 29 12.15	− 4.79	+43 31 42.0	9.999330
Northfield (Goodsell Obs.)	286	+44 27 41.6	+6 12 36.0	+61.21	+44 16 6.1	9.999305

[1]) Manora-Sternwarte. — [2]) Seit 1866. Alte Sternwarte 30″.1 südlich, 6ˢ.2 westlich; 29ᵐ. — [3]) Dr. Max Mündler. — [4]) Yale University. Alte Sternwarte 45″.8 südlich, 1ˢ.58 westlich. — [5]) Herr R. Bischofsheim.

Koordinaten der Sternwarten

Name	Seehöhe	Geogr. Breite	Länge von Greenwich + westlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
Oakland Californ.[1]	11 m	+37° 48′ 5″	+ 8h 9m 6.3s	+80.35s	+37° 36′ 52″	9.999454
Odessa (Univ.-Stw.) Mer.-Kr.	55	+46 28 36.2	− 2 3 2.05	−20.21	+46 17 1.3	9.999237
Odessa (Filiale Pulkowa)	—	+46 28 36.0	− 2 3 2.19	−20.21	+46 17 1.1	9.999234
Ogden Utah	—	+41 13 8.6	+ 7 27 59.65	+73.60	+41 1 39.3	9.999368
O-Gyalla Astroph. Obs.[2]	113	+47 52 27.3	− 1 12 45.49	−11.95	+47 40 54.9	9.999206
Olmütz[3]	—	+49 35 43	− 1 9 8	−11.35	+49 24 16	9.999154
Oslo (Christiania) Mer.-Kr.	25	+59 54 43.7	− 0 42 53.51	− 7.04	+59 44 39.2	9.998908
Ottawa	84	+45 23 37.3	+ 5 2 51.93	+49.75	+45 12 1.7	9.999267
Oxford (Radcl. Obs.)	65	+51 45 35.4	+ 0 5 2.6	+ 0.83	+51 34 18.5	9.999104
Oxford (Univers.)	64	+51 45 34.2	+ 0 5 0.4	+ 0.82	+51 34 17.3	9.999104
Oxford, Mississippi	—	+34 22 12.6	+ 5 58 7.1	+58.83	+34 11 25.1	9.999536
Padua Mauer-Quadr.	31	+45 24 1.0	− 0 47 29.15	− 7.80	+45 12 25.4	9.999263
Palermo	76	+38 6 44.0	− 0 53 25.80	− 8.78	+37 55 28.9	9.999451
Paramatta	—	−33 48 49.8	−10 4 0.2	−99.22	−33 38 7.3	9.999550
Paris (Obs. nat.) Mer. Cassini	59	+48 50 11.2	− 0 9 20.94	− 1.53	+48 38 41.5	9.999177
Paris (Montsouris) westl. Mer.	—	+48 49 18.0	− 0 9 20.70	− 1.53	+48 37 48.2	9.999174
Parma (Univ.-Stw.) Turm.	—	+44 48 4.7	− 0 41 18.79	− 6.39	+44 36 29.1	9.999277
Peking	—	+39 54 23.0	− 7 45 52.87	−76.53	+39 42 58.7	9.999401
Perth West.-Austr.	60	−31 57 9.6	− 7 43 21.74	−76.12	−31 46 45.8	9.999597
Petersburg (Leningrad) (Akademie)	20	+59 56 29.7	− 2 1 13.35	−19.91	+59 46 25.5	9.998907
Petersburg (Leningrad) (Univers.)	4	+59 56 32.0	− 2 1 11.3	−19.91	+59 46 27.8	9.998906
Philadelphia (Alte Stw.)	—	+39 57 7.5	+ 5 0 38.49	+49.39	+39 45 43.0	9.999400
Philadelphia[4]	74	+39 58 2.1	+ 5 1 6.6	+49.47	+39 46 37.5	9.999404
Plonsk[5]	—	+52 37 40.0	− 1 21 31.9	−13.39	+52 26 28.2	9.999078
Pola	32	+44 51 48.6	− 0 55 22.96	− 9.10	+44 40 12.9	9.999277
Porto Alegre[6] Mer.-Kr.	—	−30 1 51	+ 3 24 53.2	+33.66	−29 51 49	9.999636
Portsmouth	—	+50 48 3	+ 0 4 24.8	+ 0.73	+50 36 41	9.999124
Potsdam (Astrophys. Obs.)	97	+52 22 56.0	− 0 52 15.86	− 8.58	+52 11 42.7	9.999091
Potsdam (Geod. Inst.) Turm	97	+52 22 54.8	− 0 52 16.12	− 8.58	+52 11 41.5	9.999091
Poughkeepsie[7]	46	+41 41 18	+ 4 55 33.6	+48.56	+41 29 47	9.999359
Prag (Univ.-Stw.) Turm	197	+50 5 16.0	− 0 57 40.29	− 9.47	+49 53 50.9	9.999155
Prag (Safarik)	—	+50 4 24	− 0 57 48	− 9.49	+49 52 59	9.999142
Princeton N. J. (N. Stw.)[8]	76	+40 20 55.8	+ 4 58 39.53	+49.06	+40 9 29.7	9.999395
Providence[9]	64	+41 49 46.4	+ 4 45 37.62	+46.92	+41 38 15.2	9.999356
Pulkowa Zentr. d. Stw.	75	+59 46 18.7	− 2 1 18.58	−19.93	+59 36 12.5	9.998914
Quebec Canada	94	+46 48 17.3	+ 4 44 49.4	+46.79	+46 36 42.9	9.999232

[1]) Chabot Observatory. — [2]) Stiftung von Konkoly. — [3]) Herr von Unkrechtsberg. — [4]) Flower Obs. (Univ. of Pennsylvania). — [5]) Dr. Jedrzejewicz; 1898 nach Warschau verlegt. — [6]) Observatorio Regional do Rio Grande do Sul. — [7]) Vassar College. — [8]) Alte Sternwarte 2″.0 nördlich, $1^s.94$ östlich; 65^m. — [9]) Seagrave Ladd Observatory 35″ nördlich, $1^s.57$ östlich.

Name	Seehöhe	Geogr. Breite	Länge von Greenwich + westlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Quito	2846	− 0 14 0	+ 5 15 20	+51.80	− 0 13 54	0.000194
Riga (Polytechnikum) Turm	—	+56 57 7	− 1 36 28.11	−15.84	+56 46 30	9.998974
Rio de Janeiro . . .	63	−22 54 23.7	+ 2 52 41.52	+28.37	−22 46 6.0	9.999784
Rio de Janeiro (N. Stw.)	33	−22 53 41	+ 2 52 53.5	+28.40	−22 45 24	9.999782
Rochester (Lewis Swift)	172	+43 9 16.8	+ 5 10 21.87	+50.98	+42 57 42.7	9.999330
Rom (Coll. Rom.) Mer.-Kr.	59	+41 53 53.6	− 0 49 55.36	− 8.19	+41 42 22.3	9.999354
Rom (Capitol) Mer.-Kr. . .	63	+41 53 33.5	− 0 49 56.34	− 8.20	+41 42 2.2	9.999355
Rom (Vatican) Mer.-Kr. . .	100	+41 54 12.4	− 0 49 48.26	− 8.18	+41 42 41.1	9.999357
Rousdon	157	+50 42 38	+ 0 11 58.9	+ 1.96	+50 31 16	9.999137
Rugby	117	+52 22 7	+ 0 5 2.0	+ 0.83	+52 10 54	9.999093
St. Louis Missouri . .	—	+38 38 3.6	+ 6 0 49.15	+59.28	+38 26 45.5	9.999433
San Fernando	31	+36 27 40.4	+ 0 24 49.37	+ 4.08	+36 16 36.1	9.999488
San Francisco[1]) . . .	—	+37 47 28.0	+ 8 9 42.81	+80.45	+37 36 14.8	9.999453
Santiago de Chile (N. St.)	519	−33 26 42.0	+ 4 42 46.4	+46.44	−33 16 3.0	9.999594
Santiago de Chile (A. St.)	619	−33 26 25.4	+ 4 42 36.9	+46.42	−33 15 46.4	9.999600
Scarborough	—	+54 16 30	+ 0 1 38.9	+ 0.27	+54 5 30	9.999038
Schwerin	—	+53 37 37.9	− 0 45 40.80	− 7.50	+53 26 32.9	9.999054
Seeberg[2])	356	+50 56 5.2	− 0 42 55.10	− 7.05	+50 44 44.0	9.999145
Sétif	1113	+36 11 19	− 0 21 38.3	− 3.55	+36 0 17	9.999569
Simeïs	—	+44 24 11.1	− 2 15 58.1	−22.34	+44 12 35.6	9.999287
Sonneberg (Hoffmeister)	405	+50 21 29.5	− 0 44 42.87	− 7.34	+50 10 5.5	9.999163
Sonneberg (Erbisbühl) .	640	+50 22 41	− 0 44 46.2	− 7.36	+50 11 17	9.999178
South Hadley	76	+42 15 18.2	+ 4 50 20.38	+47.70	+42 3 45.9	9.999346
Speyer	—	+49 18 55.2	− 0 33 45.51	− 5.54	+49 7 27.1	9.999161
Stockholm Mer.-Kreis .	44	+59 20 32.7	− 1 12 13.97	−11.86	+59 10 21.4	9.998922
Stonyhurst	116	+53 50 40.0	+ 0 9 52.7	+ 1.62	+53 39 36.5	9.999056
Straßburg (Prov. Stw.) .	161	+48 34 54.0	− 0 31 2.37	− 5.10	+48 23 23.5	9.999191
Straßburg (N.St.). M.-Kr.[3])	144	+48 35 0.4	− 0 31 4.53	− 5.10	+48 23 29.9	9.999190
Sydney	44	−33 51 41.1	−10 4 49.60	−99.35	−33 40 58.2	9.999551
Tacubaya[4])	2322	+19 24 17.5	+ 6 36 46.53	+65.18	+19 17 2.6	9.999998
Tartu (Dorpat, Jurjew) Mer.-Kr.	73	+58 22 47.1	− 1 46 53.23	−17.56	+58 12 25.0	9.998946
Taschkent	457	+41 19 31.3	− 4 37 10.69	−45.53	+41 8 1.7	9.999396
Taunton Mass. (Metcalf) .	8	+41 54	+ 4 44 20	+46.71	+41 42	9.999351
Teramo (Cerulli)	398	+42 39 27	− 0 54 56	− 9.02	+42 27 54	9.999358
Tokio	—	+35 39 17.5	− 9 18 58.73	−91.82	+35 28 19.2	9.999506
Toronto	108	+43 39 35.9	+ 5 17 34.69	+52.17	+43 28 1.1	9.999313

[1]) Davidson Observatory. — [2]) Alte Sternwarte, 1857 nach Gotha verlegt. — [3]) Seit Anfang 1881. — [4]) Seit März 1883, früher in Chapultepec.

Koordinaten der Sternwarten

Name	Seehöhe	Geogr. Breite	Länge von Greenwich + westlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Tortosa (Ebro-Stw.) M.-Kr.	—	+40 49 14	— 0 1 58.5	— 0.32	+40 37 46	9.999378
Toulouse	194	+43 36 45.3	— 0 5 51.0	— 0.96	+43 25 10.6	9.999320
Triest	23	+45 38 45.4	— 0 55 2.90	— 9.04	+45 27 9.9	9.999256
Troy N. Y.	—	+42 43 52.9	+ 4 54 44.6	+ 48.42	+42 32 19.6	9.999329
Tsingtau (Met.-astr. Stat.)	—	+36 4 11.3	— 8 1 16.21	— 79.06	+35 53 9.8	9.999496
Tulse Hill (W. Huggins)	53	+51 26 47.0	+ 0 0 27.7	+ 0.08	+51 15 28.4	9.999111
Turin Mer.-Kr.	276	+45 4 7.9	— 0 30 47.15	— 5.06	+44 52 32.2	9.999288
Turin (Pino Torinese)	618	+45 2 16.3	— 0 31 5.95	— 5.11	+44 50 40.6	9.999312
Twickenham (G. Bishop)	—	+51 27 4.2	+ 0 1 13.1	+ 0.20	+51 15 45.6	9.999108
Upsala (N. Stw.) Pass.-Instr.	21	+59 51 29.4	— 1 10 30.13	— 11.58	+59 41 24.2	9.998909
Urbana Jll.	236	+40 6 20.2	+ 5 52 53.97	+ 57.97	+39 54 55.1	9.999412
Utrecht	12	+52 5 9.5	— 0 20 31.6	— 3.37	+51 53 54.4	9.999093
Valkenburg (Ignatius Coll.)	—	+50 52 29.3	— 0 23 19.91	— 3.83	+50 41 7.8	9.999122
Venedig	15	+45 26 10.5	— 0 49 22.12	— 8.11	+45 14 34.9	9.999261
Warschau[1]) Zentr. d. Stw.	110	+52 13 4.6	— 1 24 7.25	— 13.82	+52 1 50.3	9.999096
Warschau[2])	—	+52 13 10	— 1 24 5	— 13.81	+52 1 56	9.999088
Washington (Alte Stw.)	31	+38 53 38.9	+ 5 8 12.13	+ 50.63	+38 42 19.4	9.999428
Washington (Neue Stw.)	82	+38 55 14.0	+ 5 8 15.80	+ 50.64	+38 43 54.4	9.999431
Washington (Kath. Univ.)	—	+38 56 14.8	+ 5 8 0.0	+ 50.60	+38 44 55.1	9.999425
Wellington Transit Instr.[3])	127	—41 17 3.8	—11 39 4.27	—114.84	—41 5 34.3	9.999375
Wellington (Mt. Cook Obs.)[4])	44	—41 16 47.1	—11 39 5.31	—114.84	—41 5 17.6	9.999369
West Point N.Y. (N. Stw.)[5])	170	+41 23 22.1	+ 4 55 50.6	+ 48.60	+41 11 52.3	9.999375
Whitestone (Field Obs.)	—	+40 47 21.6	+ 4 55 7.7	+ 48.48	+40 35 53.8	9.999379
Wien (Alte Sternw.)	167	+48 12 35.5	— 1 5 31.61	— 10.76	+48 1 3.9	9.999201
Wien (Josephstadt)[6])	214	+48 12 53.8	— 1 5 25.17	— 10.74	+48 1 22.2	9.999204
Wien (Neue Sternw.) Zentr.	240	+48 13 55.4	— 1 5 21.36	— 10.73	+48 2 23.9	9.999205
Wien (Ottakring)[7])	285	+48 12 46.7	— 1 5 10.97	— 10.71	+48 1 15.1	9.999209
Wien (Mil. Geogr. Inst.)	—	+48 12 40.0	— 1 5 26.25	— 10.75	+48 1 8.4	9.999189
Wien (Techn. Hochschule)	—	+48 11 58.5	— 1 5 29.71	— 10.76	+48 0 26.9	9.999190
Wilhelmshaven Mer.-Kr.	9	+53 31 52.1	— 0 32 35.06	— 5.35	+53 20 46.4	9.999057
Williams-Bay Wisc.[8])	335	+42 34 12.6	+ 5 54 13.28	+ 58.19	+42 22 39.6	9.999356
Williamstown Mass.	213	+42 42 49	+ 4 52 53.5	+ 48.12	+42 31 16	9.999344
Williamstown Vict.	—	—37 52 7.2	— 9 39 38.1	— 95.22	—37 40 53.5	9.999451
Wilna Pass.-Instr.	122	+54 40 59.1	— 1 41 8.76	— 16.61	+54 30 2.1	9.999036
Windsor N. S. W.[9])	16	—33 36 30.8	—10 3 20.77	— 99.11	—33 25 50.2	9.999556
Wolfersdorf	279	+50 47 20.0	— 0 46 50.94	— 7.70	+50 35 58.0	9.999143
Zô-sè China	100	+31 5 48	— 8 4 44.80	— 79.63	+30 55 34	9.999619
Zürich Meridian-Kreis	468	+47 22 38.3	— 0 34 12.3	— 5.62	+47 11 4.8	9.999242

[1]) Universitäts-Sternwarte. — [2]) Dr. Jedrzejewicz; seit 1898, früher in Plonsk. — [3]) Hector Observatory. — [4]) 1884 abgebrochen. — [5]) Seit 1883. Alte Sternwarte 9″ nördlich, 1s.2 östlich. — [6]) von Oppolzers Sternwarte. — [7]) v. Kuffner. — [8]) Yerkes Observatory. — [9]) J. Tebbutt. Neue Sternwarte, 0″.4 südlich von der alten.

Normalzeiten der wichtigeren Länder

a) An den Meridian von Greenwich angeschlossen

Normalzeit = Mittl. Ortszeit des Meridians	Bezeichnung	Staaten
östl. Gr.		
11h 30m	—	Neu Seeland
10 0	Ostaustralische Z.	Victoria, Neu Süd-Wales, Queensland, Tasmanien
9 30	—	Süd-Australien
9 0	—	Japan, Korea
8 0	Ostchinesische Küsten-Z.	Ostküste von China, West-Australien
7 0	Südchinesische Küsten-Z.	Südküste von China, Franz. Indochina
5 30	—	Ostindien, Ceylon
2 30	—	Deutsch Ostafrika
2 0	Osteuropäische Z.	Finnland, Estland, Lettland, Europ. Rußland, Bulgarien, Rumänien, Türkei, Palästina, Ägypten, Süd-Afrika
1 0	Mitteleuropäische Z. (M. E. Z.)	Dänemark, Deutschland, Italien, Luxemburg, Norwegen, Österreich, Ungarn, Schweden, Schweiz, Jugoslawien, Polen, Deutsch Südwest-Afrika
0h 0m	Westeuropäische Z. (Greenwich Z.)	Belgien, Frankreich, Großbritannien und Irland, Portugal, Spanien, Gibraltar, Algerien
westl. Gr.		
3h 0m	—	Ost-Brasilien
4 0	Atlantic St. Time	Mittel-Brasilien, Argentinien, Uruguay, Canada (Küste)
4 30	—	Venezuela
5 0	Eastern St. Time	Canada (Quebec, Ontario bis 82° 30′ westl.), Vereinigte Staaten (Ost-Zone), Chile, Panama, Peru, West-Brasilien
6 0	Central St. Time	Zentral-Zone von Canada und Vereinigte Staaten, Ostmexico
7 0	Mountain St. Time	Gebirgszone von Canada und Vereinigte Staaten, Westmexico
8 0	Pacific St. Time	Vereinigte Staaten (Pacifische Küste), Britisch Kolumbien
10 30	—	Sandwich Inseln

b) Nicht an den Meridian von Greenwich angeschlossen

Staaten	Meridian	Längendifferenz gegen Greenwich	Staaten	Meridian	Längendifferenz gegen Greenwich
Columbien	Bogota	4h 56m 54.2s W.	Griechenland	Athen	1h 34m 52.9s O.
Ecuador	Quito	5 14 6.7 W.	Niederlande	Amsterdam	0 19 30.5 O.

Besondere Erläuterungen zu den Angaben und zum Gebrauch des Jahrbuchs.

Das Jahrbuch gibt die Örter der *Wandelsterne* in geozentrischen und in heliozentrischen Koordinaten. Die Zeitpunkte, für die sie gelten, sind, wenn nicht ausdrücklich eine andere Zeit angegeben wird, in Welt-Zeit ausgedrückt; **Welt-Zeit ist identisch mit Bürgerlicher Zeit Greenwich.** Der bürgerliche Tag beginnt um Mitternacht, die Weltzeit-Stunden sind von 0^h bis 24^h durchgezählt. Die Beziehung zu der bis zum Jahrgang 1924 (einschließlich) im Jahrbuch verwendeten Mittleren Zeit Greenwich besteht darin, daß der astronomische mittlere Tag erst am Mittag des bürgerlichen Tages, also 12^h nach dessen Anfang beginnt. Somit ist 1925 Jan. 1, 0^h Weltzeit gleich 1924 Dez. 31, 12^h Mittlere Zeit Greenwich.

Die Örter der *Fixsterne* sind einmal als »Mittlere Sternörter« auf das mittlere Äquinoktium des Jahresanfangs bezogen, und dann in Ephemeridenform als scheinbare, auf das instantane wahre Äquinoktium bezogen, gegeben.

Zur Erläuterung ist im einzelnen folgendes zu bemerken:

Sonnenephemeride (S. 2—38).

Der erste Teil der Sonnenephemeride (S. 2—19) gibt auf den linken Seiten für 0^h Welt Zeit (= Mitternacht Greenwich) an jedem Tage:

1) Die Zeitgleichung = Mittlere Zeit *minus* Wahre Zeit.

2) Die geozentrischen, äquatorialen Koordinaten α, δ des scheinbaren Sonnenorts, bezogen auf das jedesmalige wahre Äquinoktium, zugleich mit der ersten Differenzreihe. Diese Angaben sind direkt mit den Beobachtungen vergleichbar. Die Nutationsglieder kurzer Periode sind, wie im Vorwort erwähnt, in den Koordinaten nicht enthalten.

3) Die halbe Durchgangsdauer (in Sternzeit) der Sonnenscheibe durch den Meridian.

4) Den geozentrischen Halbmesser H der Sonnenscheibe, d. i. der Winkel, unter dem der Sonnenhalbmesser vom Erdmittelpunkt aus erscheint.

Die rechten Seiten geben:

1) Die Julianische Zeit, d. i. die Anzahl der seit Beginn der Julianischen Periode verflossenen mittleren Sonnentage.

2) Die Sternzeit für 0^h Welt-Zeit.

Um für einen anderen Erdort der westlichen Längendifferenz $\Delta\lambda$ (in Stunden) gegen Greenwich die Sternzeit in seiner Mitternacht zu erhalten, ist zu diesen Angaben zuzulegen: $9^s.8565\,\Delta\lambda$. Diese Werte finden sich unter der Überschrift: »Korr. der Sternzeit« im Verzeichnis der Sternwarten.

3) Die geozentrischen ekliptikalen Koordinaten λ, β der Sonne, bezogen auf das mittlere Äquinoktium des Jahresanfangs, sowie log R, den Logarithmus der Entfernung R der Erde von der Sonne. Diese Angaben finden bei Bahnberechnungen u. dergl. Verwendung.

4) Die bürgerlichen Ortszeiten des Aufgangs und Untergangs der Sonne für einen Ort des Nullmeridians in $+50^0$ Breite; sie sind mit der Horizontalrefraktion $34'.9$ berechnet und gelten für den oberen Rand der Sonne. Um daraus für einen beliebigen anderen Ort zwischen $+30^0$ und $+60^0$ geographischer Breite die entsprechenden Angaben zu erhalten, ist die Tabelle S. 336*, 337* zu benutzen.

Auf S. 20—37 folgen, bezogen auf das mittlere Äquinoktium des Jahresanfangs, die rechtwinkligen geozentrischen äquatorialen Sonnenkoordinaten für 0^h und 12^h Welt-Zeit mit ihren ersten Differenzen. Am Fuß der Seite 37 finden sich die Zeiten für die Anfänge der Jahreszeiten und für das Peri- und Apogäum der Sonne.

Die Seite 38 enthält die Aberration, Parallaxe, mittlere Länge $L_\odot$ und mittlere Anomalie $M_\odot$ der Sonne im Intervall von je 10 Tagen.

Mondephemeride (S. 39—57).

Seite 39 enthält die Zeitangaben für die Phasen und das Peri- und Apogäum des Mondes.

Die Mondephemeride (S. 40—57) gibt auf den linken Seiten für 0^h Welt-Zeit (= Mitternacht Greenwich):

1) Die scheinbare Rektaszension und Deklination des Mondmittelpunktes mit den ersten Differenzen.

2) Die Äquatorial-Horizontalparallaxe $p_☾$ des Mondes.

3) Den geozentrischen Mondhalbmesser $r_☾$, d. i. der Winkel, unter dem der Mondhalbmesser vom Erdmittelpunkt aus erscheint.

4) Die Länge und Breite des Mondes, abgekürzt auf $0^0.001$.

Die rechten Seiten enthalten:

1) Für den oberen Durchgang des Mondes durch den Meridian von Greenwich die genäherten Angaben für die Rektaszension, Deklination und Parallaxe des Mondmittelpunktes, sowie die bürgerliche Greenwicher Zeit dieses Durchgangs, nebst den Änderungen für 1^h westlicher Längendifferenz.

2) Die bürgerlichen Ortszeiten des Aufgangs und Untergangs des Mondes für einen Ort des Nullmeridians in $+50^0$ Breite nebst Änderung für 1^h westlicher Längendifferenz; sie sind mit der Horizontalrefraktion

34′.9 und der Parallaxe 57′.0 berechnet und gelten für den oberen Rand des Mondes. Um daraus für einen beliebigen anderen Ort zwischen $+30^0$ und $+60^0$ geographischer Breite die entsprechenden Angaben zu erhalten, ist die Tabelle S. 338*, 339* zu benutzen.

Ephemeriden der Grossen Planeten
(S. 58—112).

Die geozentrischen Örter der Planeten sind für Merkur, Venus, Mars, Jupiter, Saturn von Tag zu Tag, für Uranus und Neptun von 4 zu 4 Tagen für 0^h Welt-Zeit (= Mitternacht Greenwich) mit ihren ersten Differenzen gegeben, und zwar in scheinbaren, auf das momentane wahre Äquinoktium bezogenen Koordinaten. Die letzte Spalte gibt die bürgerliche Zeit (Greenwich) der oberen Kulmination in Greenwich.

Für die Reduktion und die Vergleichung der Planetenbeobachtungen mit der Ephemeride ist die Kenntnis der scheinbaren Halbmesser erforderlich. Man kann für dieselben in der Einheit der Entfernung annehmen:

für Merkur Halbmesser	. . . . .	3.34″			
» Venus »	. . . . .	8.78			
» Mars »	. . . . .	4.68			
» Jupiter »	(Äquatorial)	99.8,	(Polar)	92.6″	
» Saturn »	(Äquatorial)	81.4,	(Polar)	73.4	
» Uranus »	. . . . .	34.7			
» Neptun »	. . . . .	45			

Die heliozentrischen Ephemeriden der Planeten (S. 109—112) geben den Log. des Radiusvector, die Länge, deren Reduktion auf die Bahn und die Breite bezogen auf das mittlere Äquinoktium 1925.0.

☊ und *i* stellen die Bahnlage für die Epoche 1925.0 und das Normaläquinoktium 1925.0 dar.

Die Genauigkeit und Ausführlichkeit dieser heliozentrischen Angaben sind ihrem Hauptzweck, zur Berechnung der speziellen Störungen zu dienen, angepaßt.

Die beigefügten Werte der Planetenmassen sind die den Tafeln von Newcomb und von Hill zugrunde liegenden. Für die Erde ist noch besonders zu erwähnen, daß die Masse von »Erde + Mond« gegeben ist, Radiusvector und heliozentrische Länge sich auf den Schwerpunkt des Systems »Erde + Mond« beziehen.

Mittlere Örter von 925 Fixsternen (S. 2*—25*).

Die mittleren Örter der 925 Fixsterne sind aus den Daten der Veröffentlichung Nr. 33 des *Königlichen Astronomischen Rechen-Instituts* mit den daselbst angegebenen Hilfsgrößen für Präzession und Eigenbewegung abgeleitet worden. Nur die mittleren Örter der 20 Polsterne sind durch numerische Integration berechnet.

Ein * vor dem Namen weist auf eine Anmerkung am Fuß der Seite hin.

Unter Gr. stehen die visuellen Größen, welche aus der »Revised Harvard Photometry« in »Harvard Annals, vol. 50« entnommen sind, sofern nichts Anderes bemerkt ist. Wo für einen Stern zwei Größen gegeben sind, beziehen sich diese auf die Komponenten eines Doppelsterns. Die in den Anmerkungen gegebenen Größen für Doppelsternkomponenten und für die Extrema der Veränderlichen sind dem »Henry Draper Catalogue« entnommen

Die Spektren sind aus dem Draper Katalog übernommen worden. Zusammengesetzte Spektren sind durch + gekennzeichnet. In anderen Fällen beziehen sich, wo 2 Spektren gegeben sind, diese auf die Komponenten eines Doppelsterns.

Scheinbare Örter von 579 Fixsternen (S. 26*—231*).

Die scheinbaren Rektaszensionen und Deklinationen der Fixsterne sind für den Moment der oberen Kulmination im Meridian von Greenwich gegeben.

Die Ephemeriden der 555 Sterne mit Deklinationen kleiner als 80°, deren scheinbare Örter von 10 zu 10 Sterntagen gegeben sind, enthalten die kurzperiodischen Mondglieder der Nutation nicht. Das Datum des Tages, an welchem zwei Kulminationen stattfinden, ist in kleinem Druck vor der Rektaszensionsspalte angeführt.

Die jährliche Parallaxe ist bei folgenden Sternen berücksichtigt, bei denen sie 0".20 übersteigt und hinreichend verbürgt erscheint, nämlich:

Nr. 59	τ Ceti	mit	0".31	Nr. 538	α Centauri	mit	0".75
Nr. 127	ε Eridani	»	0.32	Nr. 745	α Aquilae	»	0.23
Nr. 257	α Can. maj.	»	0.38	Nr. 793	61 Cygni	»	0.30
Nr. 291	α Can. min.	»	0.33				

Von den im B. J. nicht mit Ephemeriden versehenen Sternen des N. F. K. besitzt noch Nr. 825, ε Indi, eine Parallaxe von 0".25.

Die Ephemeriden der auf S. 2*—24* eingeklammerten Sterne findet man in »Posiciones medias y aparentes de 350 estrellas«. (Suplemento al Almanaque Nautico.)

Es folgen die scheinbaren Örter von 20 Polsternen für jede obere Kulmination. Sie enthalten bereits die kurzperiodischen Mondglieder, deren Werte noch besonders auf den Seiten 206*—221* gegeben sind. Am Fuße der rechten Seiten der Polsterne sind die Koeffizienten a, b, a', b' angeführt, die zur Berechnung der kurzperiodischen Mondglieder dienen können.

Am Fuße der Ephemeriden ist der mittlere Ort eines jeden Sternes für den Anfang des Jahres und die Werte von sec δ und tg δ angegeben,

welche bei der Reduktion der Meridianbeobachtungen nach der hierfür am zweckmäßigsten erscheinenden Besselschen Formel gebraucht werden.

Auf den Seiten 222*—231* sind die scheinbaren, rechtwinkligen Koordinaten von vier polnahen Sternen gegeben. Sie beziehen sich auf ein Koordinatensystem, dessen positive x-Achse nach dem Frühlingspunkt und dessen positive y-Achse nach dem Punkt $\alpha = 6^h$, $\delta = 0^0$ gerichtet ist. Der Zusammenhang zwischen x, y und α, δ ist gegeben durch die Beziehungen: $x = \cos\delta \cos\alpha$, $y = \cos\delta \sin\alpha$. Die Angaben gelten für 12^h Sternzeit Greenwich und enthalten bereits die kurzperiodischen Mondglieder der Nutation, deren Werte in der letzten Spalte einer jeden Seite unter der Überschrift »Kurzperiod. Mondgl.« noch besonders gegeben sind.

Als Quellen für die Koordinaten und Eigenbewegungen dieser vier Sterne sind benutzt worden:

für BD + 89° 1: L. Courvoisier: Beobachtungen des Sterns BD 89° 1 am großen Meridiankreis der Berliner Sternwarte. Astron. Nachr. Bd. **200,** 243,

für BD + 89° 3: L. Courvoisier: Ephemeriden der Polsterne BD 89°3 und BD 89°37 für 1923. Astron. Nachr. Bd. **217,** 319,

für BD + 89°37: L. Courvoisier: Über Position und Eigenbewegung der »Polarissima« (BD 89°37). Astron. Nachr. Bd. **194,** 305,

für CPD — 89°38: Cape Annals Bd. XI, II, 244 für den Ort und eine briefliche Mitteilung für die Eigenbewegung.

Mit den an diesen Stellen gegebenen Werten findet man folgende mittleren Örter für 1928.0:

Name	Gr.	x	Jährliche Veränd.	Jährliche Eigenbw.	y	Jährliche Veränd.	Jährliche Eigenbw.
	M	"	"	"	"	"	"
BD + 89° 1	10.56	− 38.86	−20.086	−0.024	+ 79.36	−0.019	−0.008
BD + 89° 3	9.06	+162.70	−20.240	−0.003	+863.52	+0.028	−0.006
BD + 89° 37	10.06	−821.78	−19.976	−0.008	−342.65	−0.158	+0.028
CPD − 89° 38	9.5	−269.41	+20.087	−0.027	−309.15	−0.089	−0.031

Reduktionsgrössen (S. 232*—282*).

Auf die scheinbaren Örter der Sterne folgt S. 232* eine Zusammenstellung der Werte, mit welchen die Reduktionsgrößen der darauf folgenden Tafeln berechnet sind, und der Formeln für die Reduktion auf den scheinbaren Ort.

Die Größen zur »Reduktion auf den scheinbaren Ort« sind in ihrer *ersten* Form: A, B, C, D, E; A', B' gegeben für 12^h Sternzeit des Meridians von Greenwich:

1) Auf S. 233* im Intervall von 10 Sterntagen.

Diese Tafel soll zur Berechnung von Sternephemeriden für die Epochen der Meridiandurchgänge dienen. Wegen ihrer logarithmischen Form und des großen Intervalls ist die Tafel zur Interpolation nicht geeignet. Man wird deshalb zweckmäßig die Interpolation erst nach der Summierung der einzelnen unmittelbar für die Epochen der Tafel berechneten Glieder vornehmen.

2) Auf S. 252*—260* für jeden Sterntag. Hier sind die numerischen Werte von A, B, C und D mit ihren Differenzen gegeben und die kurzperiodischen Mondglieder A' und B' mit angeführt.

Beiden Tafeln ist in einer Spalte die dem festen Sternzeitmoment jedesmal entsprechende Welt-Zeit (bürgerliche Zeit Greenwich) vorangestellt; man wird hiernach auf jeden beliebigen Zeitpunkt, gegeben durch Datum, Sternzeit und Längendifferenz gegen Greenwich, übergehen können. Eine weitere Spalte gibt die seit Beginn des annus fictus verflossene Zeit in Bruchteilen des tropischen Jahres.

Die Reduktionsgrößen der *zweiten* Form: f, $\log g$, G, $\log h$, H, $\log i$ (und i), sowie f', g' und G' sind S. 234*—251* von Tag zu Tag für 0^h Welt-Zeit (= Mitternacht Greenwich) gegeben.

Auch hier findet sich eine Spalte, t überschrieben, welche die seit Beginn des annus fictus verflossene Zeit in Bruchteilen des tropischen Jahres gibt. Ferner ist die Sternzeit Greenwich für 0^h Welt-Zeit gegeben.

Die Seiten mit ungerader Seitenzahl enthalten außer den schon erwähnten f', g', G' noch folgende Größen:

a) ψ = Allgemeine Präzession seit Jahresanfang.
b) $\Delta\psi$ = Langperiodische Glieder der Nutation in Länge.
c) $\Delta\psi'$ = Kurzperiodische Glieder der Nutation in Länge.
d) ε = Wahre Schiefe der Ekliptik.
e) $\Delta\varepsilon$ = Langperiodische Glieder der Nutation in Schiefe.
f) $\Delta\varepsilon'$ = Kurzperiodische Glieder der Nutation in Schiefe.

Die mittlere Schiefe der Epoche erhält man durch Subtraktion der Gesamtnutation $(\Delta\varepsilon + \Delta\varepsilon')$ von der wahren Schiefe.

Auf S. 261* findet sich eine Tafel der Hilfsgrößen zur Berechnung der Präzession von verschiedenen mittleren Äquinoktien bis 1928.0.

S. 262* enthält eine Tafel der Hilfsgrößen zur Übertragung der Polsternörter von verschiedenen mittleren Äquinoktien auf das mittlere Äquinoktium 1928.0.

Die Tafeln auf Seite 264*—275* enthalten, in Einheiten der vierten Dezimale, die Größen p, q, r, welche die Bedeutung haben:

$$p = [-g \cos(G+\alpha)\sin\delta - h\cos(H+\alpha)] \cdot \operatorname{arc} 1'$$

$$q = [-g \sin(G+\alpha) \qquad - h\sin(H+\alpha)\sin\delta] \cdot \operatorname{arc} 1'$$

$$r = [-h\cos(H+\alpha)\cos\delta + i\sin\delta] \cdot \operatorname{arc} 1'$$

Sie dienen dazu, bei Anschlußbeobachtungen die gemessenen scheinbaren Rektaszensions- und Deklinationsdifferenzen in mittlere, für den Jahresanfang geltende zu verwandeln. Es ist:

Red. der Rektaszensionsdiff. a. d. Jahresanf. $= p \cdot \Delta\alpha^m \cdot \sec\delta + q \cdot \Delta\delta' \cdot \frac{1}{15} \sec^2\delta$,

» » Deklinationsdiff. » » » $= -q \cdot 15 \cdot \Delta\alpha^m + r\Delta\delta'$,

worin $\Delta\alpha^m$ die Rektaszensionsdifferenz in Zeitminuten, $\Delta\delta'$ die Deklinationsdifferenz in Bogenminuten bezeichnet. Die Reduktion der gemessenen Rektaszensionsdifferenz ergibt sich in Zeitsekunden die Reduktion der gemessenen Deklinationsdifferenz in Bogensekunden.

Ein ausführliches Beispiel für die Benutzung dieser Tafeln ist im Jahrgang 1927, S. 472 enthalten.

Auf S. 276*—278* sind die rechtwinkligen äquatorialen Sonnenkoordinaten enthalten, bezogen auf das Normaläquinoktium 1925.0, die hauptsächlich zur Berechnung von genaueren Ephemeriden Kleiner Planeten nützlich sind. Die auf den gleichen Seiten gegebenen Größen f, $\log g$ und G dienen zur Übertragung der Örter von dem *mittleren* Normaläquinoktium 1925.0 auf das jedesmalige *wahre* Äquinoktium. Die Berücksichtigung des Einflusses der Variatio saecularis bei dieser Übertragung ist durch die Tafel auf S. 279* gegeben.

Eine Tafel zur Übertragung von Sternörtern vom mittleren Äquinoktium 1928.0 auf das Normaläquinoktium 1925.0 befindet sich auf den Seiten 280*—282*.

Die hier tabulierten Größen sind gerechnet nach den Formeln:

$$A = (m) + \frac{\nu^2}{4} \sin 2a$$

$$A_1 = \nu \sin a$$

$$A_2 = \frac{\nu^2}{2} \sin 2a$$

$$D = \nu \cos a$$

$$D_1 = -\frac{\nu^2}{2} \sin^2 a,$$

wobei $\nu = \sin(n)$, $a = \alpha_{1928.0} + 90^0 - (N)$. Betreffs der Größen (m), (n) und $90^0 - (N)$ vgl. S. 262*.

Sonnen- und Mondfinsternisse (S. 284*—292*).

Die bei den Sonnenfinsternissen gegebenen Besselschen Elemente dienen in der folgenden Weise zur Vorausberechnung der Phasenzeiten und der Positionswinkel der Kontakte:

Mit einer Ausgangszeit T (siehe weiter unten) entnimmt man der Elemententabelle die Werte:

$x, y, \log \sin d, \log \cos d, \mu, l$ ($l^{(a)}$ für äußere, $l^{(i)}$ für innere Berührung), log tang f ($f^{(a)}$ für äußere, $f^{(i)}$ für innere Berührung), x', und y'.

Mit ihnen rechnet man das folgende Formelsystem durch:

$$(1) \quad \begin{cases} \xi = c \cos \varphi \sin (\mu - \lambda) \\ \eta = s \sin \varphi \cos d - c \cos \varphi \sin d \cos (\mu - \lambda) \\ \zeta = s \sin \varphi \sin d + c \cos \varphi \cos d \cos (\mu - \lambda) \\ \xi' = [7.6398 - 10]\, c \cos \varphi \cos (\mu - \lambda) \\ \eta' = [7.6398 - 10]\, \xi \sin d, \end{cases}$$

worin φ die geographische Breite, λ die westliche Länge (von Greenwich) des Beobachtungsortes bezeichnen, s und c aus der Tafel auf S. 350* zu entnehmen sind.

Alsdann:

$$(2) \quad \begin{cases} \left.\begin{array}{l} m \sin M = x - \xi \\ m \cos M = y - \eta \end{array}\right\} m > 0 \\ \left.\begin{array}{l} n \sin N = x' - \xi' \\ n \cos N = y' - \eta' \end{array}\right\} n > 0 \end{cases}$$

Nun berechnet man aus:

$$(3) \quad L = l - \zeta \operatorname{tang} f$$

$L^{(a)}$ mit $l^{(a)}$ und $f^{(a)}$, $L^{(i)}$ mit $l^{(i)}$ und $f^{(i)}$; dann aus:

$$(4) \quad \sin \psi = \frac{m \sin (M - N)}{L} \,[1]$$

mit $L^{(a)}$ und $L^{(i)}$ je zwei Werte $\psi^{(a_1)}$, $\psi^{(a_2)}$ und $\psi^{(i_1)}$, $\psi^{(i_2)}$, von denen der eine zum Eintritt der Erde in den Halb- oder Kernschatten-Kegel, der andere zu ihrem Austritt aus ihm gehört. Diesen vier Werten $\psi^{(a_1)}$, $\psi^{(a_2)}$ und $\psi^{(i_1)}$, $\psi^{(i_2)}$ entsprechen vier Werte $\tau^{(a_1)}$, $\tau^{(a_2)}$ und $\tau^{(i_1)}$, $\tau^{(i_2)}$ (in Zeitminuten) nach

$$(5) \quad \tau = -\frac{m \cos (M - N)}{n} + \frac{L \cos \psi}{n},$$

um welche die Ausgangszeit T zu verbessern ist, um die Zeit der gesuchten Phase zu erhalten. Ist T die gesuchte Phasenzeit, so wird $\tau = 0$ werden. Man muß daher das Formelsystem (1) bis (5) mit steigenden Näherungen solange durchrechnen, bis dieser Fall eintritt, d. h. bis das Formelsystem sich schließt. Zu diesem Zweck beginnt man mit einem Näherungswert T_1, für den man, wenn kein besserer bekannt sein sollte, eine beliebige Zeit nahe der Mitte der Finsternis nehmen mag, und rechnet die erste genäherte Korrektion τ_1; dann wiederholt man die Rechnung

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[1]) Wird der Winkel ψ bei der ersten Näherungsrechnung imaginär, so rechne man τ unter der Annahme $\psi = 90^0$ aus $\tau = -\frac{m \cos (M - N)}{n}$; bleibt ψ auch in der weiteren Rechnung imaginär, so deutet dies an, daß an dem betreffenden Orte keine Sonnenfinsternis stattfindet.

mit $T_2 = T_1 + \tau_1$, dann mit $T_3 = T_2 + \tau_2 = T_1 + \tau_1 + \tau_2$ u. s. f. bis $\tau_n = 0$ sich ergibt. T_n ist dann die gesuchte Welt-Zeit des Kontaktes, die durch Hinzufügung der Längendifferenz in mittlere Ortszeit zu verwandeln ist. Die Rechnung ist für jede Berührung gesondert durchzuführen.

Die Positionswinkel der einzelnen Phasen, in üblicher Weise vom Punkt größter Deklination gezählt, folgen aus den Werten der letzten Näherung (Größen mit dem Index n) nach

$$P = N + \psi.$$

Will man den Winkelabstand Q vom Punkte der größten Höhe haben, so hat man von P noch den parallaktischen Winkel γ abzuziehen, der aus

$$\left.\begin{array}{l} p \sin \gamma = \xi \\ p \cos \gamma = \eta \end{array}\right\} p > 0$$

folgt, also
$$Q = P - \gamma.$$

Um die Zeit der größten Phase, T_{max}, zu erhalten, hat man die beiden Formelsysteme (1) und (2) mit einem Näherungswerte $\overline{T}_1$ durchzurechnen, daraus $\overline{T}_2 = \overline{T}_1 - \frac{m \cos (M - N)}{n}$ zu entnehmen und die Rechnung solange fortzusetzen, bis die Korrektion der Ausgangszeit 0 wird. Als Näherungswert $\overline{T}_1$ wählt man zweckmäßig das Mittel der beiden Werte von T_2 für die Berührungszeiten.

Die Größe der Verfinsterung, i, in Teilen des Sonnendurchmessers ausgedrückt, ergibt sich dann aus:

$$i = \frac{L^{(a)} - m}{2\, L^{(a)} - 0.5450},$$

worin $L^{(a)}$ und m die zur Zeit T_{max} gehörigen Werte bedeuten.

Mondbewegung und Lage des Mondäquators gegen den Erdäquator (S. 293*).

Auf S. 293* finden sich:

☊, Aufsteigender Knoten der Mondbahn auf der Ekliptik
$L_☾$, Mittlere Länge des Mondes
$M_☾$, Mittlere Anomalie des Mondes
i, Neigung des Mondäquators gegen den Erdäquator
☊′, Aufsteigender Knoten des Mondäquators auf dem Erdäquator
Δ, Stück des Mondäquators zwischen Ekliptik und Erdäquator

☋, der aufsteigende Knoten des Mondäquators auf der Ekliptik, ist gleich dem absteigenden Knoten der Mondbahn, also

$$☋ = ☊ \pm 180^\circ.$$

Vom Jahrgang 1926 ab sind die Brownschen Mondtafeln verwendet.

Die Größen i, $\varDelta$ und Ω' berechnen sich aus:

$$\sin\frac{1}{2}(\varDelta+\Omega')\cos\frac{1}{2}i = \cos\frac{1}{2}(\varepsilon-J)\sin\frac{1}{2}\mho$$

$$\cos\frac{1}{2}(\varDelta+\Omega')\cos\frac{1}{2}i = \cos\frac{1}{2}(\varepsilon+J)\cos\frac{1}{2}\mho$$

$$\sin\frac{1}{2}(\varDelta-\Omega')\sin\frac{1}{2}i = \sin\frac{1}{2}(\varepsilon-J)\sin\frac{1}{2}\mho$$

$$\cos\frac{1}{2}(\varDelta-\Omega')\sin\frac{1}{2}i = \sin\frac{1}{2}(\varepsilon+J)\cos\frac{1}{2}\mho;$$

dabei ist J, die Neigung des Mondäquators gegen die Ekliptik, nach F. Hayn (Astr. Nachr. Bd. 199, S. 263) zu $J = 1^\circ 32' 20''$ angenommen worden. Die Zahlen geben die Lage des mittleren Mondäquators (ohne physische Libration).

Die auf S. 293* gemachten Angaben über die Elemente der Mondbahn und des Mondäquators dienen, teilweise in Verbindung mit den Größen $L_\odot$ und $M_\odot$ auf S. 38, verschiedenen Zwecken:

1) Als Argumente für die Berechnung der Reduktionsgrößen A, B, C, D, E, A', B'.

2) Bei Bestimmung der selenographischen Koordinaten von Punkten der Mondoberfläche (siehe darüber den folgenden Abschnitt).

3) Bei Berechnung der *optischen* und *physischen* Libration des Mondes.

a) Für die Berechnung der *optischen* Libration des Mondes sind alle nötigen Angaben in den Erläuterungen zu den Hilfstafeln unter Nr. 7 (S. 378*) gemacht.

b) Die Beträge der *physischen* Mondlibration in selenographischer Länge, der Neigung des Mondäquators und seinem aufsteigenden Knoten auf der Ekliptik τ, ϱ, σ haben die Werte:

$$\tau = -\ 13''\sin M_☾ + 65''\sin M_\odot + 26''\sin 2(L_☾ - M_☾ - \Omega)$$

$$\varrho = -106''\cos M_☾ + 34''\cos(2L_☾ - M_☾ - 2\Omega) - 11''\cos 2(L_☾ - \Omega)$$

$$\sigma\sin J = -108''\sin M_☾ + 34''\sin(2L_☾ - M_☾ - 2\Omega) - 11''\sin 2(L_☾ - \Omega)$$

Diese Zahlenangaben beruhen auf der Annahme $f = 0.73$, worüber F. Hayn (Astr. Nachr. Bd. 199, S. 264) einzusehen ist.

Ephemeride für den Mondkrater Mösting A.

(S. 294*—298*).

Die Ephemeride des Mondkraters Mösting A dient zwei verschiedenen Zwecken: erstens zur genauen Bestimmung von Mondörtern am Himmel durch Beobachtung des Kraters, zweitens zur Bestimmung der selenographischen Koordinaten weiterer Punkte der Mondoberfläche durch deren mikrometrischen Anschluß an Mösting A.

Sie gilt für 0^h Welt-Zeit (= Mitternacht Greenwich) und enthält für die Tage, an welchen Mösting A innerhalb der Beleuchtungsgrenze liegt, die Unterschiede $\alpha_☾ - \alpha_k$ in Rektaszension und $\delta_☾ - \delta_k$ in Deklination zwischen der Mondmitte und dem Krater, vom Erdmittelpunkt aus gesehen, sowie den Logarithmus des Sinus der Äquatorial-Horizontalparallaxe p_k des Kraters, welche von der des Mondes $p_☾$ zu unterscheiden ist, mit den zugehörigen Differenzen.

Zur Anwendung der Ephemeride auf Beobachtungen des Kraters interpoliere man $\alpha_☾ - \alpha_k$, $\delta_☾ - \delta_k$ und $\log \sin p_k$ mit der Beobachtungszeit. Fügt man alsdann $\alpha_☾ - \alpha_k$ und $\delta_☾ - \delta_k$ zum geozentrischen Ort des Kraters (die Parallaxe wird mit p_k und δ_k, der Deklination des Kraters, berechnet), so hat man die geozentrische Rektaszension und Deklination des Mondes für die Beobachtungszeit.

Hat man einen Punkt der Mondoberfläche mikrometrisch an Mösting A angeschlossen, so bestimme man zunächst die topozentrischen, d. h. mit Parallaxe behafteten Koordinatendifferenzen $\alpha'_☾ - \alpha'_k$ und $\delta'_☾ - \delta'_k$ zwischen Mondmittelpunkt und Mösting A aus folgenden Identitäten:

$$\alpha'_☾ - \alpha'_k = \alpha_☾ - \alpha_k + (\alpha'_☾ - \alpha_☾) - (\alpha'_k - \alpha_k)$$
$$\delta'_☾ - \delta'_k = \delta_☾ - \delta_k + (\delta'_☾ - \delta_☾) - (\delta'_k - \delta_k).$$

Verbindet man die so erhaltenen topozentrischen Abstände zwischen der Mondmitte und Mösting A mit den mikrometrischen Messungen zwischen Mösting A und einem zweiten Krater, so erhält man die topozentrische Lage des letzteren gegen die Mondmitte und kann hieraus mit Hilfe von $\alpha'_☾$ und $\delta'_☾$ und den Angaben auf Seite 293* die selenographische Länge und Breite des zweiten Kraters berechnen. Hierzu dienen die im folgenden angeführten Formeln.

Bezeichnet man mit α' und δ' die topozentrische AR. und Dekl. des an Mösting A angeschlossenen Kraters, so hat man:

$$s \sin \pi_m = (\alpha' - \alpha'_☾) \cos \tfrac{1}{2} (\delta' + \delta'_☾)$$
$$s \cos \pi_m = \delta' - \delta'_☾$$
$$\pi = \pi_m - \tfrac{1}{2} (\alpha' - \alpha'_☾) \sin \tfrac{1}{2} (\delta' + \delta'_☾)$$
$$\sin (K + s) = \sin s \operatorname{cosec} h'.$$

h' ist der Abstand des Kraters vom Mondschwerpunkt, gesehen vom Beobachtungsort aus, der aus h, dem vom Erdmittelpunkt aus gesehenen Abstand, durch Anbringen der Parallaxe gewonnen wird. Ist die Entfernung des Kraters vom Mondschwerpunkt gänzlich unbekannt, so möge für h der aus Sternbedeckungen folgende Wert des Mondhalbmessers $15' \, 32''.59$ (nach J. Peters, Astr. Nachr. Bd. 138, S. 147) eingesetzt werden.

$$\sin d = - \sin \delta'_☾ \cos K + \cos \delta'_☾ \sin K \cos \pi$$
$$\cos d \cos (a - \alpha'_☾) = - \cos \delta'_☾ \cos K - \sin \delta'_☾ \sin K \cos \pi$$
$$\cos d \sin (a - \alpha'_☾) = \sin K \sin \pi$$
$$\sin \beta = \sin d \cos i - \cos d \sin i \sin (a - ☊')$$

$$\cos\beta \sin\lambda' = \sin d \sin i + \cos d \cos i \sin(a - \Omega')$$
$$\cos\beta \cos\lambda' = \cos d \cos(a - \Omega')$$
$$\lambda = \lambda' - 180^\circ - L_{☾} - (\varDelta - \mho).$$

Die so erhaltenen Werte von λ und β beziehen sich auf den mittleren (vom Einfluß der physischen Libration freien) Mondäquator; die Transformation auf den wahren erfolgt durch die Korrektionen:

$$d\lambda = +13'' \sin M_{☾} - 65'' \sin M_{\odot} - 26'' \sin 2(L_{☾} - M_{☾} - \Omega)$$
$$+ \operatorname{tg}\beta\,[-106'' \cos(L_{☾} - M_{☾} - \Omega + \lambda) + 34'' \cos(L_{☾} - M_{☾} - \Omega - \lambda)$$
$$- 11'' \cos(L_{☾} - \Omega - \lambda)]$$
$$d\beta = +108'' \sin(L_{☾} - M_{☾} - \Omega + \lambda) + 34'' \sin(L_{☾} - M_{☾} - \Omega - \lambda)$$
$$- 11'' \sin(L_{☾} - \Omega - \lambda)$$

Bringt man diese Korrektionen $d\lambda$ und $d\beta$ an λ und β an, so erhält man die selenographischen Koordinaten des Kraters:

$$\lambda_0 = \lambda + d\lambda, \qquad \beta_0 = \beta + d\beta$$

Der Berechnung der Ephemeride des Kraters Mösting A liegen folgende von F. Hayn ermittelten Konstanten (Astr. Nachr. Bd. 199, S. 263) zugrunde:

$$\lambda_0 = -5^\circ\ 10'\ 7'', \qquad \beta_0 = -3^\circ\ 11'\ 2''$$
$$h = 15'\ 33''.4$$

Für die Reduktion auf den mittleren Mondäquator wurden die Werte angenommen:

$$d\lambda = -13'' \sin M_{☾} + 65'' \sin M_{\odot} + 26'' \sin 2(L_{☾} - M_{☾} - \Omega)$$
$$d\beta = -108'' \sin(L_{☾} - M_{☾} - \Omega + \lambda_0) - 34'' \sin(L_{☾} - M_{☾} - \Omega - \lambda_0)$$
$$+ 11'' \sin(L_{☾} - \Omega - \lambda_0),$$

so daß die auf den mittleren Mondäquator bezogenen selenographischen Koordinaten des Kraters Mösting A sind:

$$\lambda = \lambda_0 + d\lambda, \qquad \beta = \beta_0 + d\beta.$$

Die Formeln zur Berechnung der Ephemeride siehe in den Erläuterungen zum Jahrbuch 1916.

Jupitertrabanten (S. 299*—300*).

Die Seiten 299* und 300* enthalten die Zeitangaben (in Welt-Zeit) für die Verfinsterungen der vier älteren Jupitertrabanten in dem Schattenkegel des Jupiter; Ein- und Austritte sind durch beigefügtes E. und A. unterschieden.

Saturnsring (S. 301*—304*, 316*).

Die Angaben für die scheinbare Größe des Saturn und für die Lage und Größe des Saturnsringes haben die folgende Bedeutung:

α Große Achse des Saturn.

β Kleine Achse des Saturn.

p_a Phase; positiv, wenn der Ostrand, negativ, wenn der Westrand verdunkelt ist.

a Große Achse der Ringellipse.

b Kleine Achse der Ringellipse; positiv, wenn die nördliche, negativ, wenn die südliche Fläche des Ringes sichtbar ist.

U' Heliozentrische Länge des Saturn, gezählt auf der Ringebene vom aufsteigenden Knoten des Ringes in der Ekliptik an.

B' Erhöhungswinkel der Sonne über der Ringebene vom Saturn aus gesehen; nördlich positiv, südlich negativ.

P' Winkel der kleinen Achse der Ringellipse mit dem durch den Saturnsmittelpunkt gehenden Längenkreise; östlich positiv, westlich negativ.

U Geozentrische Länge des Saturn, gezählt auf der Ringebene vom aufsteigenden Knoten des Ringes im Erdäquator an.

B Erhöhungswinkel der Erde über der Ringebene vom Saturn aus gesehen; nördlich positiv, südlich negativ.

P Winkel der kleinen Achse der Ringellipse mit dem durch den Saturnsmittelpunkt gehenden Stundenkreise; östlich positiv, westlich negativ.

N Aufsteigender Knoten der Ringebene im Erdäquator, gezählt vom Äquinoktium an.

J Neigung der Ringebene gegen den Erdäquator.

ω Entfernung der Ekliptik vom Erdäquator, gemessen auf der Ringebene.

Es liegen folgende Bestimmungen nach Struve zugrunde:

Durchmesser des Saturn in der Entfernung 9.53887

Äquatorial 17″.47 Polar 15″.65

Lage des Saturnsringes gegen die Ekliptik und das Äquinoktium von 1889.25

$$☊_1 = 167° 57'.0 \quad \text{und} \quad i_1 = 28° 5'.6;$$

Durchmesser des Ringes in der Entfernung 9.53887

$$2R = 39''.35$$

Saturnstrabanten (S. 305*—329*).

Die Berechnungen über die Saturnstrabanten sind mit den von H. Struve in:

I. Beobachtungen der Saturnstrabanten, 1. Abteilung, 1. Supplementheft zu den »*Observations de Poulkova*«;

II. *Publications de l'Observatoire Central Nicolas*, Série II, Vol. XI abgeleiteten, in Astr. Nachr. Bd. 162, S. 325 u. ff. und von G. Struve in Veröff. Berlin-Babelsberg VI. 1 weiter verbesserten Elementen durchgeführt. Für die Halbachsen der 6 inneren Trabanten sind die auf Seite 239 der zweiten Abhandlung mittels der Saturnsmasse $\mu = \frac{1}{3500}$ rechnerisch abgeleiteten Werte angenommen.

Die den Ephemeriden zugrunde liegenden Elemente sind:

MIMAS (II, Seite 195)

Epoche: 1889 April 0.0 Mittl. Zt. Grw.

$E_0 = 127^0\ 19'.0$

$n = 381^0.9945$

$\delta l = -44^0.243 \sin (116^0.46 + 5^0.075\, t)$

$\quad - 0^0.75 \sin 3\, (116^0.46 + 5^0.075\, t)$

$l_1 = E_0 + n t_d + \delta l$

$\Theta = 54^0.7 - 365^0.3\, t$

$\gamma = 1^0\ 36'.5$

$\Pi_1 = 107^0.2 + 365^0.3\, t$

$e = 0.0190$

$a = 26''.814$

ENCELADUS (II, Seite 183)

Epoche: 1889 April 0.0 Mittl. Zt. Grw.

$E_0 = 199^0\ 19'.8$

$n = 262^0.73199$

$\delta l = + 11'.24 \sin (143^0 + 92^0.4\, t)$

$\quad + 20'.0 \sin (\ 75^0 + 29^0.3\, t)$

$l_1 = E_0 + n t_d + \delta l$

$\Theta = 328^0 - 152^0.7\, t$

$\gamma = 1'.4$

$\Pi_1 = 308^0.38 + 123^0.43\, t$

$e = 0.0046$

$a = 34''.401$

TETHYS (II, Seite 195)

Epoche: 1889 April 0.0 Mittl. Zt. Grw.

$E_0 = 284^0\ 31'.0$

$n = 190^0.69795$

$\delta l = + 118'.90 \sin (116^0.46 + 5^0.075\, t)$

$\quad + 2'.02 \sin 3\, (116^0.46 + 5^0.075\, t)$

$l_1 = E_0 + n t_d + \delta l$

$\Theta = 110^0.55 - 72^0.5\, t$

$\gamma = 1^0\ 4'.36$

$e = 0.0000$

$a = 42''.586$

DIONE (II, Seite 183)

Epoche: 1889 April 0.0 Mittl. Zt. Grw.

$E_0 = 253^0\ 51'.4$

$n = 131^0.534955$

$\delta l = - 1'.21 \sin (143^0 + 92^0.4\, t)$

$\quad - 2'.13 \sin (\ 75^0 + 29.3\, t)$

$l_1 = E_0 + n t_d + \delta l$

$$\Theta = 276^0 - 31^0.0\, t$$
$$\gamma = 4'.0$$
$$\Pi_1 = 165^0 + 31^0.0\, t$$
$$e = 0.0020$$
$$a = 54''.543$$

RHEA (G. Struve, Berlin-Bbg VI, 1, Seite 16)

Epoche: 1889 April 0 0 Mittl Zt. Grw.

$$E_0 = 358^0\ 23'.8$$
$$n = 79^0.690087$$
$$E - E_0 = + 4'.95 \sin (343^0.4 - 10^0.1\, t)$$
$$l = E_0 + n t_d + (E - E_0)$$
$$(\Omega - \Omega_1) \sin i_1 = 20'.74 \sin (343^0.36 - 10^0.10 t) - 0'.38 + 1'.00 \sin (48^0.5 - 0^0.50 t)$$
$$i - i_1 = 20'.74 \cos (343^0.36 - 10^0.10 t) - 2'.79 + 1'.00 \cos (48^0.5 - 0^0.50 t)$$
$$\Pi = 276^0.25 + 0^0.53\, t + 17^0.64 \sin [9^0.5\ (t - 1879.59)]$$
$$e = 0.00098 + 0.00030 \cos [9^0.5\ (t - 1879.59)]$$
$$a = 76''\ 170$$

Ω_1 und i_1 bezeichnen die Lage des Saturnsringes.

TITAN (II, Seite 172)

Epoche: 1890 Jan. 0.0 Mittl. Zt. Grw.

$$E_0 = 260^0\ 25'.1$$
$$n = 22^0.577009$$
$$E - E_0 = + 4'.05 \sin (47^0.8 - 0^0.51\, t)$$
$$l = E_0 + n t_d + (E - E_0)$$
$$\Omega = 167^0\ 51'.2 + 35'.84 \sin (47^0.8 - 0^0.506\, t) + 0'.837\, t$$
$$i = 27^0\ 28'.4 + 16'.88 \cos (47^0.8 - 0^0.506\, t)$$
$$\Pi = 276^0\ 15' + 31'.7\, t + 22'.0 (\sin 2g - \sin 2g_0)$$
$$e = 0.02886 + 0.000186\ (\cos 2g_0 - \cos 2g)$$
$$g = \Pi - \Omega - 4^0.5$$
$$g_0 = g \text{ für } t = 0$$
$$a = 176''.578$$

HYPERION (II, Seite 290)

Epoche: 1890 Jan. 0.0 Mittl. Zt. Grw.

$$E_0 = 304^0.53$$
$$n = 16^0.919983$$
$$\delta l = 9^0.16 \sin (200^0.5 + 0^0.56206\, t_d)$$
$$l = E_0 + n t_d + \delta l$$

Äquinoktium 1890.0. Epoche 1890.0 + t

$$\Omega = 167^0\ 49'.7 + 42'.4 \sin (47^0.8 - 0^0.50 t) + 78'.1 \sin (121^0.7 - 2^0.0 t)$$
$$i = 27^0\ 20'.8 + 19'.6 \cos (47^0\ 8 - 0^0.50 t) + 36'.2 \cos (121^0.7 - 2^0.0\, t)$$

Epoche und Äquinoktium: 1888.890 + t

$$\Pi = 276^0.50 - 18^0.663\,t + 14^0.0 \sin(-0^0.84 + 19^0.191\,t) - 1^0.5 \sin(-1^0.68 + 38^0.382\,t)$$

$$e = 0.1043 + 0.0230 \cos(-0^0.84 + 19^0.191\,t) + \delta e$$

$$e\delta e = -0.00044 \cos(200^0.5 + 0^0.56206\,t_d)$$

$$a = 213''.92 + \delta a$$

$$\delta a = -0.00354\,a \cos(200^0.5 + 0^0.56206\,t_d).$$

JAPETUS (I, Seite 87; II, Seite 139)

Epoche: 1885 Sept. 1.0 Mittl. Zt. Grw.

$E_0 = 75^0\ 26'.4$

$n = 4^0.537997$

$l = E_0 + n\,t_d$

$\Omega = 142^0\ 12'.4 - 1'\ 48\,t$

$i = 18^0\ 28'.3 - 0'.54\,t$

$\Pi = 354^0\ 30' + 7'\ 9\,t$

$e = 0.02836 + 0.000015\,t$

$a = 514''.59$

Hierin bedeuten:

l_1, l = Mittlere Länge in der Bahn
n = Tropische mittlere tägliche Bewegung
δl = Libration
t_d = Anzahl der Tage seit der Anfangsepoche
t = Anzahl der Jahre seit der Anfangsepoche
Θ = Knoten auf dem Saturnsäquator
Ω = Knoten auf der Ekliptik
γ = Neigung der Trabantenbahn gegen den Saturnsäquator
i = Neigung der Trabantenbahn gegen die Ekliptik
Π_1, Π = Perisaturnium
e = Exzentrizität
a = Halbachse der Trabantenbahn in der mittleren Entfernung $(\Delta) = 9.53887$

l_1, Π_1 und Θ werden gezählt vom Äquinoktium aus in der Ekliptik, weiter im Saturnsäquator und dann erst in der Trabantenbahn, l und Π vom Äquinoktium aus in der Ekliptik und weiter in der Trabantenbahn.

Zunächst sind für die fünf inneren Trabanten auf den Seiten 305* bis 312* die Hilfsmittel gegeben, um in bequemer Weise ihre Positionen ableiten zu können. Sieht man hierbei von den Neigungen γ ab, so erhält man die rechtwinkligen Koordinaten x und y des Trabanten in bezug auf ein Achsenkreuz, dessen Anfangspunkt im Mittelpunkt des Saturn gelegen ist, dessen X-Achse parallel der großen Achse des Ringes verläuft, positiv, wenn östlich, negativ, wenn westlich vom Saturn, und dessen positive Y-Achse mit dem durch den Saturnsmittelpunkt gehenden Stundenkreise den Winkel P einschließt, aus den Gleichungen:

$$x = \frac{a(\Delta)}{\Delta}\,\frac{1}{1+\zeta}\,\frac{r}{a}\sin(u-U)$$

$$y = \frac{a(\Delta)}{\Delta}\,\frac{1}{1+\zeta}\,\frac{r}{a}\sin B\cos(u-U).$$

$(\varDelta) = 9.53887$ bezeichnet den mittleren Wert der Entfernung Sonne—Saturn, $\varDelta$ ist die Entfernung Erde—Saturn, $u = L + (v - M)$ ist die wahre Länge des Trabanten vom Erdäquator an gezählt. Die Größen L und $(v - M)$ sind auf den Seiten 305*—312* und 314*—315* zu finden. $\log \frac{1}{1 + \zeta}$ ist auf Seite 316* enthalten.

Ist genaueste Ortsbestimmung erforderlich, so darf man bei Mimas, Tethys und Rhea die Neigungen gegen den Saturnsäquator, da sie schon merklichere Werte annehmen, nicht mehr vernachlässigen; x und y ergeben sich dann aus:

$$x = \frac{a(\varDelta)}{\varDelta} \frac{1}{1 + \zeta} \frac{r}{a} \sin(u - U)$$

$$y = \frac{a(\varDelta)}{\varDelta} \frac{1}{1 + \zeta} \frac{r}{a} \sin B [\cos(u - U) + \sin\gamma \operatorname{cotg} B \sin(u - \vartheta)].$$

Die Werte von ϑ, der Länge des aufsteigenden Knotens der Trabantenbahn auf dem Saturnsäquator, gezählt vom Schnittpunkte des Saturnsäquators mit dem Erdäquator, finden sich auf Seite 316*; auch ist hier für Rhea γ, weil stärker mit der Zeit veränderlich, in Intervallen von 16 Tagen gegeben.

Will man aus x und y die Rektaszensions- und Deklinationsdifferenzen bestimmen, so dienen dazu die Gleichungen:

$$s \sin(p - P) = x$$

$$s \cos(p - P) = y$$

$$\varDelta\alpha = \alpha_{tr} - \alpha_{pl} = \frac{1}{15} s \sin p \sec \delta_{tr}$$

$$\varDelta\delta = \delta_{tr} - \delta_{pl} = s \cos p.$$

Auf den Seiten 317*—325* finden sich für die drei äußeren Trabanten Titan, Hyperion und Japetus, außer den Hilfsgrößen U, B und P, die Rektaszensions- und Deklinationsunterschiede gegen den Saturn in dem Sinne Trabant minus Planet. Die aus den Angaben des Berliner Jahrbuchs ermittelten Trabantenörter sind auf das mittlere Äquinoktium der Epoche bezogen.

Zum Schluß enthalten die Seiten 326*—329* die Zeitangaben (in Welt-Zeit) für die östlichen Elongationen von Mimas, Enceladus, Tethys, Dione, Rhea, ferner für die östlichen und westlichen Elongationen ($u - U = \pm 90°$) und für die oberen und unteren Konjunktionen ($u - U = 0°, 180°$) von Titan, Hyperion und Japetus mit Saturn; diese Zeitangaben für die Elongationen und Konjunktionen sind bereits für Lichtzeit korrigiert, also ohne weiteres mit den Beobachtungen vergleichbar.

Konstellationen (S. 330*).

In der Übersicht der Konstellationen des Jahres 1928 sind die hauptsächlichsten Planeten-Konstellationen gegeneinander und gegen Sonne und Mond, sowie die Angaben der Epochen, zu welchen

sich die Planeten in gewissen Hauptpunkten ihrer Bahn und ihres synodischen Laufes befinden, zusammengestellt. Die Bedeutung der hier verwendeten Zeichen siehe Seite VIII des Vorworts. — Die Konjunktionen der Planeten mit dem Mond und ihre gegenseitigen sind als Konjunktionen in AR. zu verstehen. Die Angaben über Konjunktion und Opposition der Planeten mit der Sonne entsprechen den Zeiten, zu denen der Längenunterschied zwischen Planet und Sonne 0° oder 180° ist. Die Konjunktionen von Uranus und Neptun mit dem Mond sind nicht angeführt.

Hilfstafeln (S. 331*—350*).

Es folgt eine Reihe von häufig gebrauchten Hilfstafeln.

1) Tafeln für Präzessionswerte (S. 331*—333*).

a) Präzession in Rektaszension und Deklination (Seite 331*)

$$p_\alpha = m + \tfrac{1}{15} n \sin\alpha \operatorname{tg}\delta$$
$$p_\delta = n \cos\alpha$$

b) Präzessionswerte m, n, ψ, π, Π und ε, die mittlere Schiefe der Ekliptik (Seite 331*).

Mit diesen Werten berechnet sich die Präzession für die Elemente einer Bahnebene im System der Ekliptik nach:

$$p_\Omega = \psi - \pi \operatorname{cotg} i \sin(\Pi - \Omega)$$
$$p_i = -\pi \cos(\Pi - \Omega)$$
$$p_\omega = \pi \operatorname{cosec} i \sin(\Pi - \Omega)$$

und im System des Äquators nach:

$$p_{\Omega'} = m - n \operatorname{cotg} i' \cos\Omega'$$
$$p_{i'} = -n \sin\Omega'$$
$$p_{\omega'} = n \cos\Omega' \operatorname{cosec} i'$$

c) Präzession in Länge und Breite (Seite 332*—333*).

$$p_\lambda = \psi + \pi \operatorname{tg}\beta \cos(\Pi - \lambda)$$
$$p_\beta = \pi \sin(\Pi - \lambda)$$

Den Tafeln a) und c) liegen die Präzessionswerte für 1925.0 zugrunde. Über die Bedeutung der Bezeichnungen und die Zahlenwerte vergleiche die Erläuterungen zum Jahrbuch für 1916.

2) Tafel des halben Tagbogens (S. 334*—335*), berechnet mit der Horizontalrefraktion 34'.9 für geographische Breiten von + 30° bis + 60° und Deklinationen von — 30° bis + 30°.

3) Reduktionstafeln für die Auf- und Untergangszeiten der Sonne und des Mondes (S. 336*—339*). Sie geben die Reduktion der für + 50° Breite gültigen Zeiten, wie sie in den Ephemeriden enthalten sind, auf geographische Breiten zwischen +30° und +60° und sind mit der Horizontalrefraktion 34'.9 für das Erscheinen oder Verschwinden des oberen Gestirnsrandes gerechnet.

4) Eine Tafel für die Ermittelung eines Datums in der Julianischen Periode (Seite 340*—343*). Die Tafel besteht aus zwei Teilen: Der erste Teil (S. 340*—341*) gibt in vierjährigen Schaltperioden für die Jahre 0 bis 2000 die Anzahl der am 0. Januar, 12^h Welt-Zeit, seit Anfang der Julianischen Periode verflossenen Tage. Als Ergänzung gibt die Hilfstafel am Fuß der Seite die Anzahl der am 0. jedes Monats, 12^h Welt-Zeit, seit Beginn der Schaltperiode verflossenen Tage. Man gehe bis zum 4. Oktober des Jahres 1582 mit dem Datum des Julianischen, für spätere Jahre mit dem Datum des Gregorianischen Kalenders in die Tafel ein. Der zweite Teil (S. 342*—343*) gibt für die Jahre 1860—1939 unmittelbar die Anzahl der im Gregorianischen Kalender am 0. jedes Monats, 12^h Welt-Zeit, seit Beginn der Julianischen Periode verflossenen Tage.

5) Hilfstafeln zur Verwandlung von Mittlerer Zeit in Sternzeit (S. 344*) und von Sternzeit in Mittlere Zeit (S. 345*).

6) Eine Tafel zur Verwandlung von Stunden, Minuten und Sekunden in Dezimalteile des Tages und umgekehrt (S. 346*—347*).

7) Die Tafel zur Berechnung der optischen Mondlibration (S. 348*—349*) gibt mit dem Argument $\lambda - \Omega$ die Werte $\Delta\lambda$, a und B entsprechend den Gleichungen:

$$\Delta\lambda = \frac{1}{\text{arc } 1'} \text{tang}^2 \frac{1}{2} J \sin 2 (\lambda - \Omega)$$

$$a = -\cos(\lambda - \Omega) \sin J$$

$$\text{tang } B = -\sin(\lambda - \Omega) \text{ tang } J$$

J = Neigung des Mondäquators gegen die Ekliptik.

Ω = Länge des aufsteigenden Knotens der Mondbahn auf der Ekliptik (s. S. 293*).

λ, β = Länge und Breite des Mondmittelpunktes, berechnet für den Beobachtungsort.

Bezeichnen noch $L_☾$ die mittlere Länge des Mondes, l' und b' die optische Libration der Mondmitte in selenographischer Länge und Breite, so ist:

$$l' = \lambda - L_☾ + \Delta\lambda - a(B - \beta)$$

$$b' = B - \beta$$

Der Winkel C, welchen der Mondmeridian des Mittelpunktes der scheinbaren Mondscheibe mit dem Stundenkreise bildet, ergibt sich aus der Gleichung:

$$\sin C = -\sin i \frac{\cos(L_☾ + l' + \Delta - ☋)}{\cos \delta_☾} = -\sin i \frac{\cos(\alpha_☾ - \Omega')}{\cos b'},$$

worin $\alpha_☾$, $\delta_☾$ Rektaszension und Deklination des Mondmittelpunktes, gesehen vom Beobachtungsort aus, bezeichnen; die anderen vorkommenden Größen i, Δ, ☋ und Ω' haben schon auf S. 368* ihre Erklärung gefunden.

8) Eine Tafel der Hilfsgrößen s und c (S. 350*) zur Berechnung der geozentrischen Breite φ' und der geozentrischen Entfernung ϱ eines Erdortes, ausgedrückt in Einheiten der großen Halbachse des Erdellipsoids, aus der geographischen Breite φ nach den Formeln:

$$\varrho \sin \varphi' = s \sin \varphi$$
$$\varrho \cos \varphi' = c \cos \varphi$$

Darin haben s und c die Bedeutung:

$$s = \frac{1 - e^2}{\sqrt{1 - e^2 \sin^2 \varphi}}, \quad c = \frac{1}{\sqrt{1 - e^2 \sin^2 \varphi}}, \quad e = \sqrt{2\alpha - \alpha^2}$$

Gemäß den Beschlüssen der Pariser Ephemeridenkonferenz von 1911 ist dabei die Abplattung $\alpha = \frac{1}{297.0}$ angenommen.

Koordinaten der Sternwarten (S. 351*—358*).

Die Seiten 351*—358* enthalten die geographischen und geozentrischen Koordinaten der Sternwarten.

Die Seehöhen sind in allen Fällen angegeben, wo sie sich einigermaßen sicher ermitteln ließen.

Die geographischen Längen sind auf den Meridian von Greenwich bezogen und dem entsprechend gibt die »Korrektion der Sternzeit« die Differenz: Orts-Sternzeit minus Greenwicher Sternzeit an.

Die geozentrischen Koordinaten sind den Beschlüssen der Pariser Ephemeridenkonferenz vom Oktober 1911 gemäß unter Annahme der Abplattung 1 : 297.0 berechnet.

Bei Berechnung von $\log \varrho$ ist die Seehöhe berücksichtigt.

Normalzeiten der wichtigeren Länder (S. 359*).

Hier sind die in den wichtigeren Ländern eingeführten Normalzeiten in zwei Gruppen zusammengestellt, je nachdem sie an den Meridian von Greenwich angeschlossen sind oder einen eigenen Landes-Meridian zugrunde legen.

Berichtigungen.

Jahrbuch 1892, S. 377	Die mittlere Länge des Mondes bedarf durchweg einer Korrektion von 180°.
Jahrbuch 1924, 1925, 1926, 1927.	Koordinaten der Sternwarten: Turin. (Pino Torinese) Log ϱ: lies 9.99 . . . anstatt 0.99 . . .
Jahrbuch 1927, S. 111	Erde, Sept. 20, Länge: lies $356^\circ\ 0'.5$ anstatt $355^\circ\ 0'.5$
	Erde, Dez. 39, Länge: lies $106^\circ\ 25'.9$ „ $106^\circ\ 25'.2$
	Jupiter, Dez. 39, Länge: lies $8^\circ\ 18'\ 10''.7$ „ $8^\circ\ 18'\ 9''.3$
S. 338	Vierte Zeile von unten lies $\delta_{1925} = \ldots$ anstatt $\alpha_{1925} = \ldots$
S. 436	Lies März 18 anstatt März 15.
S. 459	Für Harrow ist die Korr. d. Sternzeit $+0^s.22$ anstatt $+0^s.39$
Jahrbuch 1928, S. 15*	Fußnote letzte Zeile; 1929.0 $\Delta\,\alpha = +0^s.388$ anstatt $+0^s.338$
S. 25*	Bei 30 H. Camel. und ξ Mensae sind die Klammern zu beseitigen, da für diese Sterne Ephemeriden gegeben werden.
S. 254*	Spalte D. Die Differenz zwischen März 29 und 30 heißt 347 anstatt 247.
S. 255*	Spalte C. Die Differenz zwischen Mai 29 und 30 heißt 292 anstatt 592.
S. 345*	Der Tafelwert für die Reduktion $3^m\ 3^s$ heißt nicht $18^h 3^m 2^s$ sondern $18^h 37^m 2^s$.

Alphabetisches Sachregister

Astronomischer Jahresbericht,

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Walter F. Wislicenus.

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» XII—XXVII (Jahrg. 1910—1925), bearbeitet im Astronomischen Rechen-Institut, Berlin

Der »Astronomische Jahresbericht« gibt in kurzen Referaten eine Übersicht über sämtliche in den verschiedenen Kultursprachen neu erschienenen Arbeiten auf dem Gebiete der Astronomie und Astrophysik und berücksichtigt auch tunlichst die Geodäsie und Nautische Astronomie, sowie die einschlägige Instrumententechnik. Der Inhalt eines jeden Bandes ist nach den verschiedenen Wissenschaftszweigen in 9 Teile mit Unterparagraphen gegliedert: I. Allgemeines und Geschichtliches. — II. Instrumente. — III. Sphärische Astronomie. — IV. Theoretische Astronomie. — V. Sonne. — VI. Planeten und Monde. — VII. Kometen und Meteore. — VIII. Fixsterne. — IX. Geodäsie und Nautik. — Jedem Bande ist ein ausführliches Namen- und ein nach Stichworten geordnetes Sachregister beigefügt, so daß sämtliche auf ein bestimmtes Gebiet bezüglichen Arbeiten leicht aufzufinden sind.

Astronomisches Rechen-Institut zu Berlin.

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